

School of Engineering & Applied Science

Summer 2016 Survey

[Rising Seniors](#)

[Rising Juniors](#)

[Rising Sophomores](#)

Methodology

Career Services at the University of Pennsylvania annually surveys undergraduates about their summers. This report looks at rising sophomores, juniors and seniors from the School of Engineering & Applied Science during the summer of 2016.

School of Engineering & Applied Science Summer Career Plans Survey – Class of 2017



University of Pennsylvania Career Services

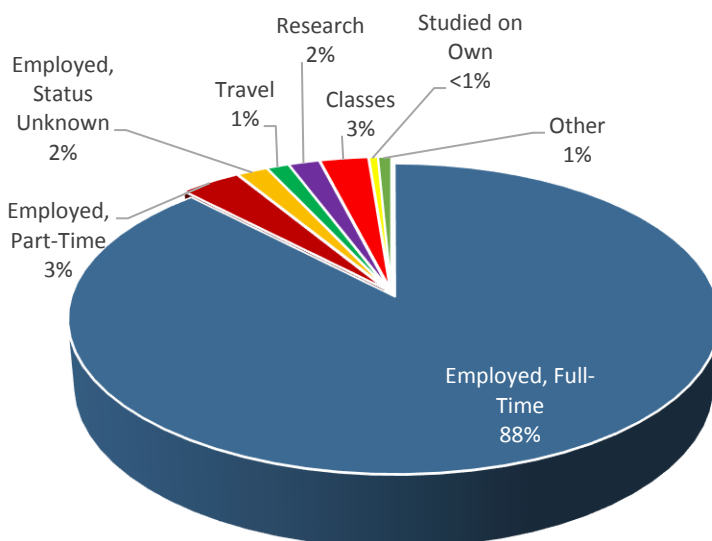
*Prepared by:
Rosette Pyne, Senior Associate Director
April 2017*

OVERVIEW

Each year Career Services surveys the Penn Engineering students to gather information about their summer work experience. Students scheduled to graduate in August 2016, December 2016 and May 2017 are included in this analysis. Career Services contacted each student by email list-serv in August 2016 requesting that they complete the on-line survey. In October 2016, the Academic Programs Office of the School of Engineering and Applied Science sent the survey again to all applicable students. In December 2016 and January 2017, personalized emails were sent by Career Services to each student who had not yet responded. In addition, summer experiences were included from review of information reported in our online job application system, PennLink and review of LinkedIn profiles. Information was collected for **402** students of the **436** eligible in the Class of 2017. This combination of data resulted in a **92.2%** response rate.

Technology was the top industry sector in which students accepted internships followed by manufacturing, and higher education research labs/centers. Within the manufacturing sector, the largest percentages of internships were in the biomedical products, consumer products and automotive industries. Of the 289 students reporting the date they accepted their internship offer, 96% accepted by the end of May 2016. Since 2011, 95 – 96% of the students had their internships by the end of May.

SUMMER 2016 PRIMARY ACTIVITY



\$5,083

Average Monthly Salary

7.6%

Increase from previous year

SCHOOL OF ENGINEERING AND APPLIED SCIENCE SUMMER CAREER PLANS SURVEY – CLASS OF 2017

Total # of Student Responses: 402

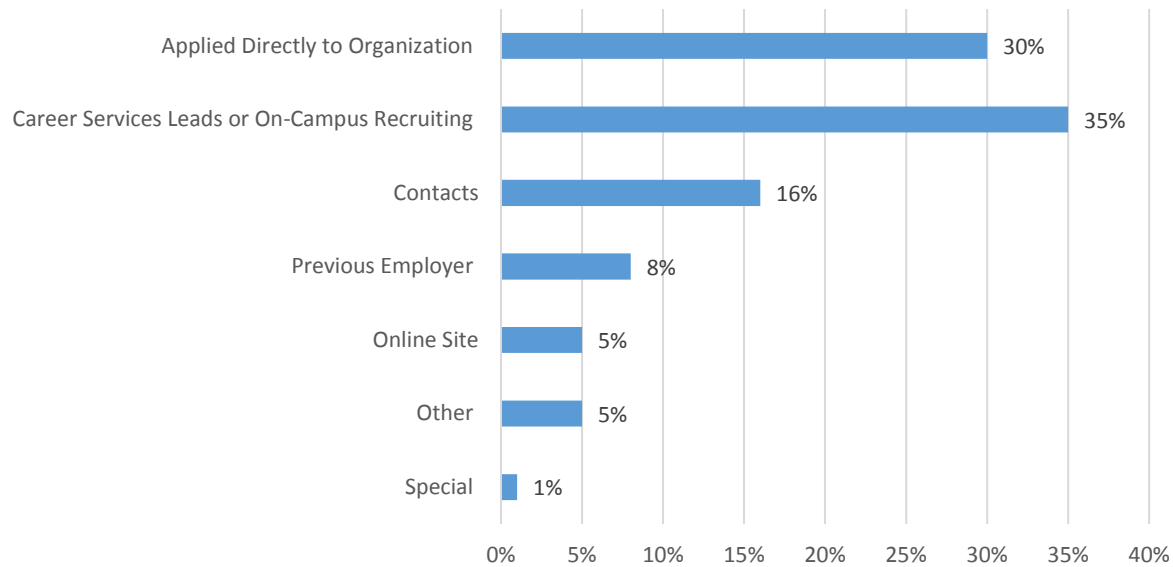
Total # of Students in Class: 436

% of Respondents: 92.2%

Total # of Students Employed Full or Part-Time = 367 (Students employed but full or part-time status unknown = 7)			
Full Time Employed		Part-Time Employed	
Number of Respondents	353	Number of Respondents	14
(Paid and Unpaid)		(Paid and Unpaid)	
# Reporting Salary*	260	# Reporting Salary*	5
Average Month Salary	\$5,083	Average Monthly Salary	\$1,320
Range: \$630 – 25,000		Range: \$800 – 2,000	
*Non-stipend		*Non-stipend	

School(s)	# of Full-Time Respondents Reporting Salary	Average Monthly Salary Full-Time	Salary Range Full-time
Engineering	177	\$4,593	\$ 630 – 11,000
Engineering/MSE Engineering	28	\$4,811	\$1,200 – 10,000
Engineering/College	4	\$2,638	\$ 2,000 – 8,400
Engineering/Wharton	51	\$6,983	\$ 2,400 – 25,000

HOW RESPONDENTS RECEIVED THEIR INTERNSHIPS



311 students reported how they received their positions

SALARY BY MAJOR

Full-Time Employed with Salary Reported

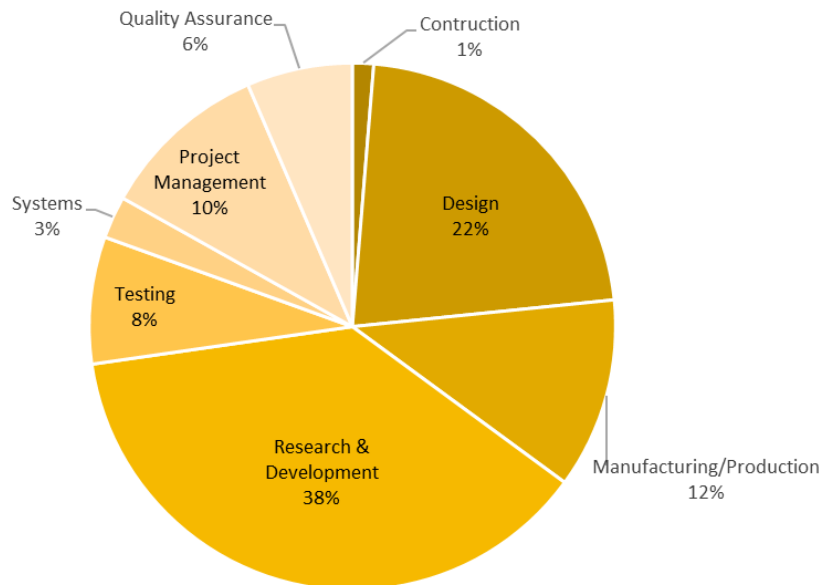
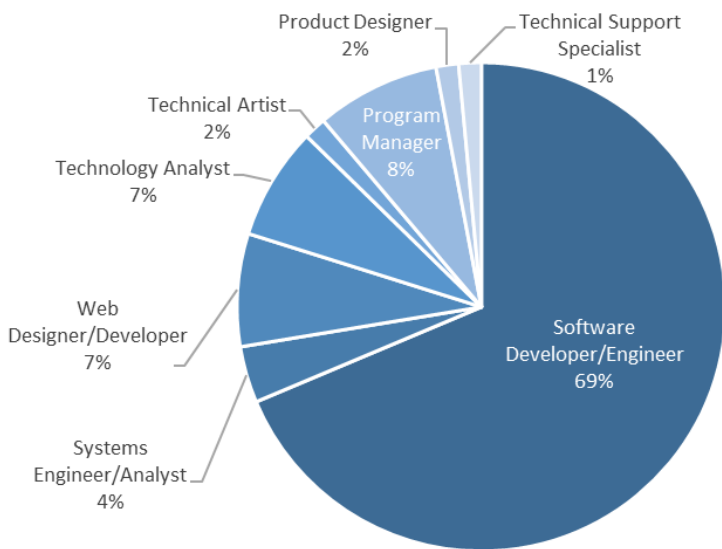
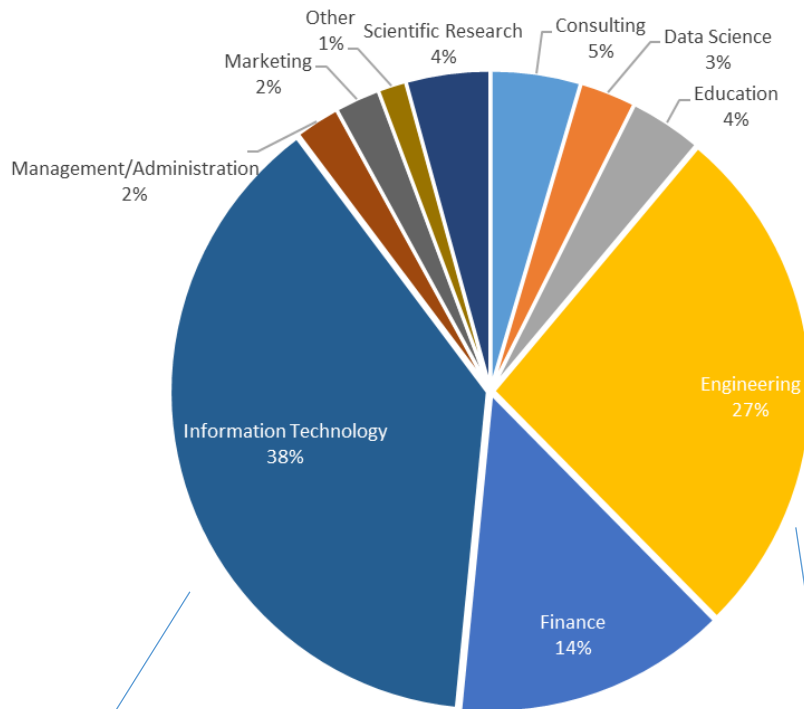
Major**	# of Salaries Reported	Average Salary	Median Salary	Salary Range
Applied Science				
Biomedical Science	6	\$6,883	\$5,150	\$3,200 - \$16,000
Cognitive Science	0	*	*	*
Computer Science	18	\$7,210	\$6,500	\$2,100 - \$25,000
Individualized	0	*	*	*
Bachelor of Science in Engineering				
Bioengineering	34	\$3,228	\$2,400	\$1,200 - \$8,000
Chemical & Biomolecular Engineering	19	\$4,005	\$3,680	\$1,250 - \$8,000
Computer Engineering	10	\$5,896	\$6,880	\$1,800 - \$8,000
Computer Science	72	\$6,232	\$6,152	\$1,560 - \$11,000
Digital Media Design	10	\$5,553	\$6,360	\$2,100 - \$8,000
Electrical Engineering	8	\$5,049	\$5,060	\$2,000 - \$8,000
Materials Science & Engineering	9	\$2,879	\$2,250	\$1,350 - \$7,083
Mechanical Engineering & Applied Science	46	\$3,900	\$3,550	\$630 - \$20,000
Networked & Social Systems Engineering	6	\$5,536	\$5,900	\$800 - \$10,400
Systems Science & Engineering	22	\$5,301	\$5,580	\$1,000 - \$11,000

*Single salaries not reported.

**Salaries for dual engineering majors, as well as dual-degrees, are included in the average salary for each major.

EMPLOYED RESPONDENTS BY JOB TYPE

Includes both Full-time and Part-time Internships/Surveys With and Without Salaries (With Engineering Breakdown)



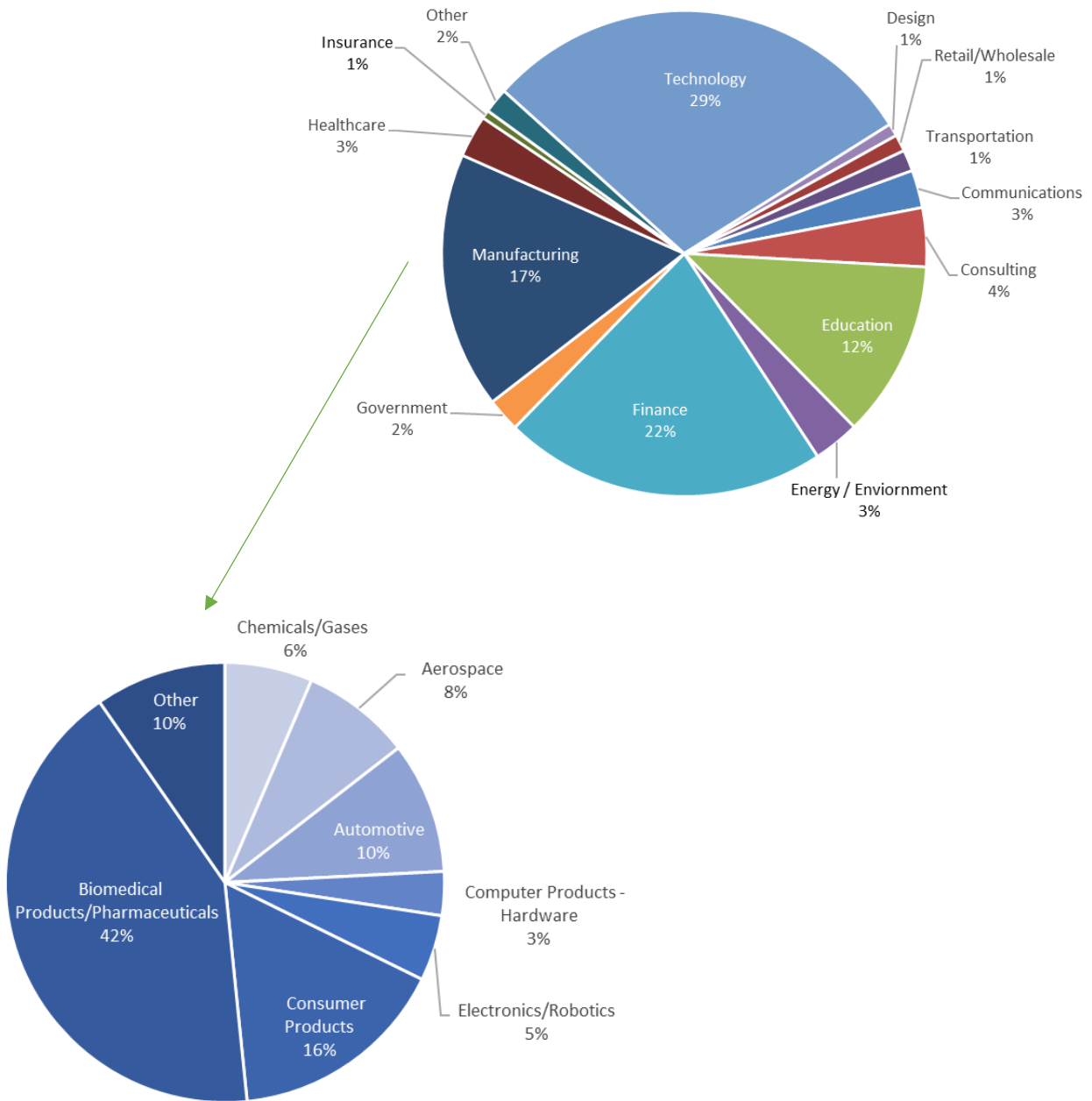
SALARY BY JOB TYPE – Full-Time Employed

	# of Responses	Avg Monthly Salary	Median Monthly Salary	Max Monthly Salary	Min Monthly Salary
Consulting	13	\$4,537	\$4,000	\$7,800	\$1,500
Management/Strategy	8	\$4,531	\$4,500	\$7,000	\$1,500
Research	2	*	*	*	*
Technical/Information Systems	3	\$5,153	\$5,160	\$7,800	\$2,500
Education	7	\$2,207	\$2,200	\$3,250	\$1,560
Research	5	\$1,992	\$2,000	\$2,600	\$1,560
Teaching	1	*	*	*	*
Testing/Evaluation	1	*	*	*	*
Engineering	77	\$3,914	\$3,600	\$10,400	\$630
Construction	1	*	*	*	*
Design	17	\$3,250	\$3,600	\$7,100	\$630
Manufacturing/Production	9	\$3,630	\$3,520	\$5,000	\$2,560
Project Management	8	\$4,671	\$3,750	\$9,000	\$3,040
Quality Assurance	5	\$3,200	\$2,900	\$5,000	\$1,500
Research and Development	29	\$3,821	\$3,200	\$7,000	\$1,500
Systems	2	*	*	*	*
Testing	6	\$4,433	\$4,250	\$7,300	\$2,560
Finance	33	\$6,999	\$7,000	\$25,000	\$1,000
Financial Planning and Analysis	6	\$3,553	\$3,100	\$5,000	\$2,400
Investment Banking Analysis	14	\$9,740	\$7,541	\$25,000	\$1,634
Investment Management/Counsel	4	\$3,975	\$3,950	\$7,000	\$1,000
Risk Management	1	*	*	*	*
Securities Research Analyst	5	\$7,480	\$7,000	\$11,000	\$2,400
Trading	3	\$5,666	\$6,000	\$8,000	\$3,000
Information Technology	109	\$6,211	\$6,400	\$11,000	\$800
Data Analyst/Administrator	7	\$4,374	\$2,720	\$8,700	\$1,600
Product Designer	1	*	*	*	*
Program Manager	9	\$7,088	\$7,000	\$11,000	\$5,200
Software Developer/Engineer	73	\$6,443	\$6,500	\$10,000	\$800
Systems Engineer / Analyst	3	\$5,250	\$4,050	\$8,500	\$3,200
Technical Analyst	7	\$6,142	\$6,000	\$7,083	\$5,000
Technical Support Specialist	2	*	*	*	*
Web Designer/Analyst	7	\$4,267	\$4,000	\$7,700	\$2,000
Management	3	\$3,173	\$3,520	\$4,000	\$2,000
General Management/Operations	3	\$3,173	\$3,520	\$4,000	\$2,000
Other Types	5	\$3,130	\$3,600	\$4,000	\$1,350
Scientific Research	13	\$1,946	\$1,600	\$5,000	\$1,200
Chemistry	1	*	*	*	*
Biology/Biochemistry	5	\$1,651	\$1,260	\$3,240	\$1,200
Biomedical	7	\$2,150	\$1,840	\$5,000	\$1,200

**Single salaries / salary ranges of two respondents not reported.*

EMPLOYED RESPONDENTS BY INDUSTRY

Includes both Full-time and Part-time Internships/Surveys With and Without Salaries



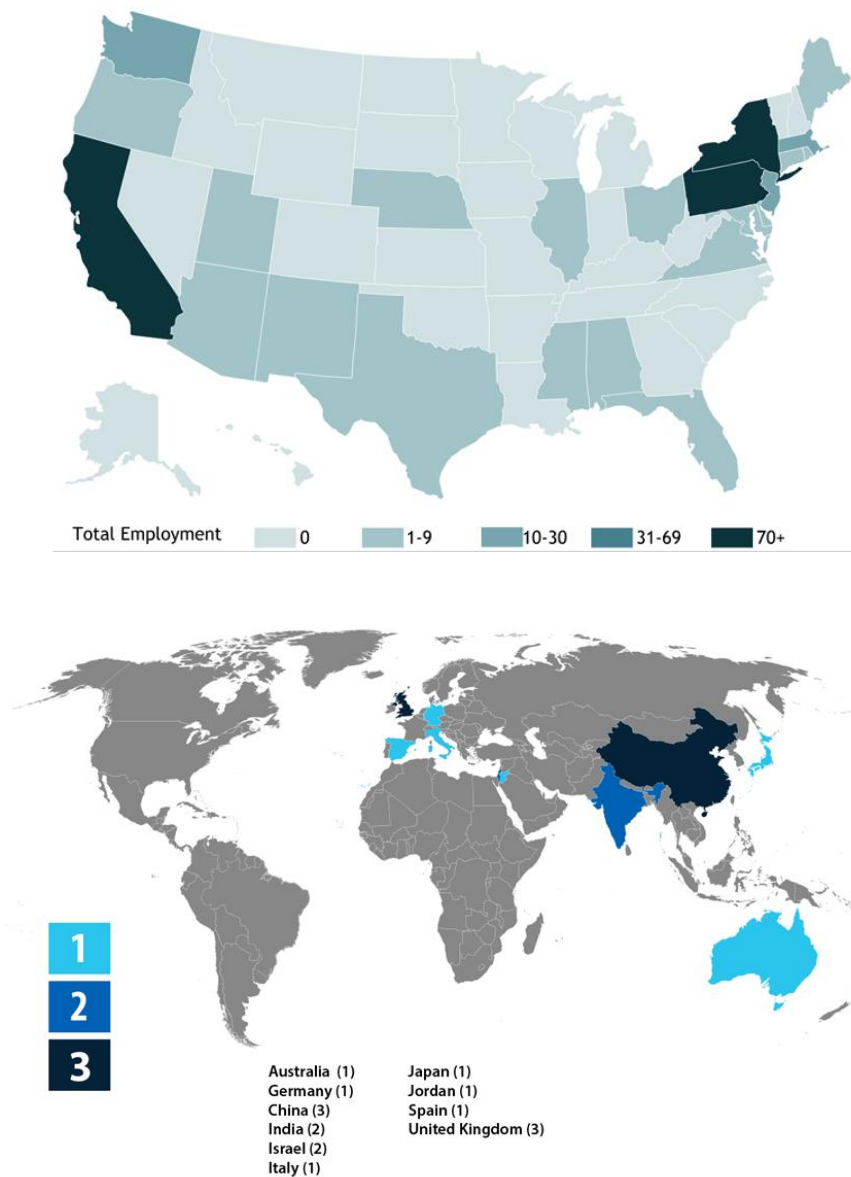
SALARY BY INDUSTRY – Full-Time Employed

Industry	# of Respondents	Average Salary	Median Monthly Salary	Max Monthly Salary	Min Monthly Salary
Communications					
Media/Entertainment	4	\$ 3,530	\$ 4,000	\$ 4,320	\$ 1,800
Advertising/Public Relations	1	*	*	*	*
Consulting	12	\$ 4,707	\$ 4,500	\$ 7,800	\$ 1,500
Education					
Higher Education	2	*	*	*	*
Research Labs/Centers - Higher Education	24	\$ 2,065	\$ 1,920	\$ 5,000	\$ 1,200
Energy/Natural Resources/Utilities	8	\$ 4,168	\$ 3,689	\$ 7,100	\$ 1,500
Financial Services					
Diversified Financial Services	4	\$ 4,550	\$ 5,000	\$ 5,000	\$ 3,200
Hedge Fund	10	\$ 8,710	\$ 8,850	\$ 11,000	\$ 3,000
Investment Banking/Brokerage	31	\$ 7,927	\$ 7,000	\$ 25,000	\$ 1,634
Investment Management/Counsel	7	\$ 4,514	\$ 3,200	\$ 8,500	\$ 1,000
Other Finance	3	\$ 4,966	\$ 6,400	\$ 6,500	\$ 2,000
Government					
Federal Government	2	*	*	*	*
Intergovernmental Organization	3	\$ 2,663	\$ 2,240	\$ 3,750	\$ 2,000
Healthcare					
Hospital	4	\$ 1,875	\$ 1,590	\$ 3,120	\$ 1,200
Manufacturing					
Aerospace	4	\$ 4,598	\$ 4,500	\$ 6,000	\$ 3,392
Automotive	3	\$ 3,000	\$ 3,000	\$ 3,600	\$ 2,400
Biomedical Products/Pharmaceuticals	19	\$ 3,597	\$ 3,200	\$ 6,666	\$ 1,400
Chemicals/Gases	2	*	*	*	*
Computer Products - Hardware	2	*	*	*	*
Consumer Products	10	\$ 3,592	\$ 3,560	\$ 6,480	\$ 2,000
Electronics/Robotics	3	\$ 3,841	\$ 3,824	\$ 4,500	\$ 3,200

Other Manufacturing	5	\$ 3,414	\$ 3,500	\$ 4,250	\$ 2,560
Real Estate/Construction	2	*	*	*	*
Retail/Wholesale	3	\$ 3,566	\$ 2,600	\$ 5,200	\$ 2,000
Technology	83	\$ 6,068	\$ 6,153	\$ 11,000	\$ 630
Transportation	4	\$ 4,990	\$ 5,000	\$ 7,400	\$ 2560
Other	5	\$ 3,560	\$ 3,100	\$ 6,000	\$ 2200

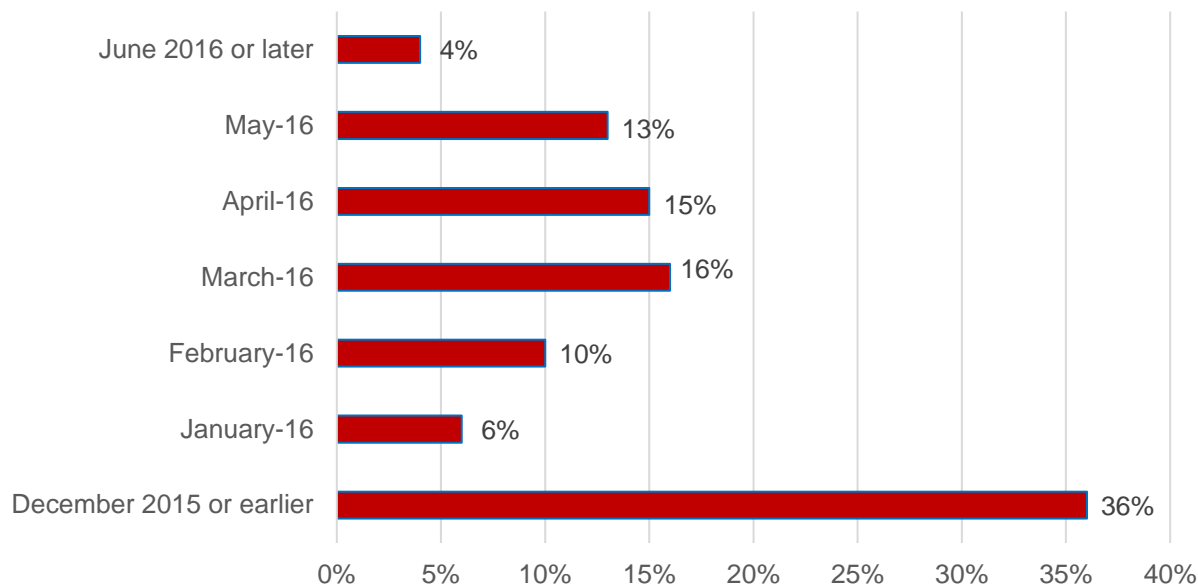
*Single salaries/ salary ranges of two respondents not reported.

LOCATIONS OF INTERNSHIPS



DATE RECEIVED OFFER

289 students reported the date they received the offer for the position they accepted.



EMPLOYERS WITH MOST OFFERS ACCEPTED

Full-time & Part-time Employment

Number Accepted	Organization
34	University of Pennsylvania
13	Facebook
12	Goldman Sachs
11	Google
9	Apple
8	Amazon, Microsoft
7	Morgan Stanley
6	JPMorgan Chase & Co.
4	Bridgewater Associates, Citadel LLC
3	athenahealth, Bloomberg L.P., Capital One, Credit Suisse, Deutsche Bank, Palantir Technologies, PwC, Tesla Motors
2	Airbnb, Amgen, Applied Predictive Technologies, AQR Capital Management, DocuSign, Ernst & Young, Evercore, ExxonMobil, GlaxoSmithKline, Guardian Life Insurance, Intel, Intuitive Surgical, Johnson & Johnson, Lockheed Martin, Pfizer, Roche Tissue Diagnostics, Schlumberger, Tapad, Uber Technologies Inc., ZS Associates

POSITIONS REPORTED BY MAJOR

All Respondents (Full-time, Part-time, Paid and Unpaid)

ENGINEERING DEGREES

Applied Science – Biomedical Science

Course Hero, Philadelphia, PA, Knowledge Drive Intern
EvergreenHealth, Canyon Park, WA, Volunteer
Graphiq, Santa Barbara, CA, Product Management Intern
QTX Systems, New York, NY, Financial Modeling Intern
Science Workshop (IIP), Causeway Bay, Hong Kong, Intern/Facilitator

Applied Science – Computer & Cognitive Science

Public Broadcasting Service, Arlington, VA, Children's Programming & Development Intern

Applied Science – Computer Science

Amazon Fulfillment Technologies, Seattle, WA, Software Development Intern
Appboy, New York, NY, Customer Success Intern
Blackrock, New York, NY, Summer Analyst
Center for Autism Research, Philadelphia, PA, Data Assistant
Citadel LLC, Chicago, IL, Software Engineering Intern
Oak Hill Advisors, New York, NY, Summer Credit Analyst
Tesla Motors, Fremont, CA, Intern

Applied Science – Individualized

Wharton Angel Network, San Diego, CA, Summer Analyst

Bioengineering

Alcresta Therapeutics, Newton, MA, Technical Operations Consultant
Alnylam Pharmaceuticals, Cambridge, MA, Biology Research Intern
Aravind Eye Foundation, Puducherry, Non-US, Biomedical Engineering Intern
Benchling, San Francisco, CA, Commercial Growth Intern
CytoVas LLC, Philadelphia, PA, Intern
Doggie Style, Washington, DC, Assistant Manager
EquityZen, New York, NY, Product Management Summer Analyst
GlaxoSmithKline, Rockville, MD, Engineering Intern
GTRACK Technologies, Palo Alto, CA, Business Analyst
Guggenheim Securities, New York, NY, Summer Analyst
Harvey Cedars Borough, Harvey Cedars, NJ, Lifeguard
Heidrick and Struggles, Boston, MA, Executive Search Intern
Intertrust Technologies Corporation (Genecloud), Sunnyvale, CA, Software Engineering Intern
National Institutes of Health, National Institute on Deafness and Other Communication Disorders, Bethesda, MD, Research Assistant
Perelman School of Medicine, Philadelphia, PA, Student Researcher at the Undergraduate Summer Scholars Program
Perelman School of Medicine, Rehabilitation Robotics Lab, Philadelphia, PA, Research Assistant
Pfizer, Collegeville, PA, Compliance Coordinator
PrecisionGx, Philadelphia, PA, Business Development Intern
Quartet Health, New York, NY, Marketing Intern
Regeneron Pharmaceuticals, Tarrytown, NY, Summer Intern
Samumed, LLC, San Diego, CA, Summer Intern
Second Sight Medical Products, Los Angeles, CA, Intern

Stryker, Mahwah, NJ, Product Support Engineering Intern
 TalkIQ, San Francisco, CA, Data Science Intern
 TowerView Health, Philadelphia, PA,
 University of Pennsylvania, Philadelphia, PA, Research Assistant
 University of Pennsylvania - Department of Bioengineering, Philadelphia, PA, Undergraduate Research Assistant
 University of Pennsylvania - Haptics Group, Philadelphia, PA, Medical Robotics Engineering Intern
 University of Pennsylvania - Penn Gene Targeting, Philadelphia, PA, Laboratory Technician
 University of Pennsylvania Health System, Philadelphia, PA, Research assistant
 University of Pennsylvania Health System, Philadelphia, PA, Research Assistant
 University of Rochester, Rochester, NY, Lab Technician
 ZS Associates, Princeton, NJ, Associate Intern

Chemical and Biomolecular Engineering

Name of Company/Title not provided
 Amgen Inc., Thousand Oaks, CA, Portfolio Management and Pipeline Strategy Intern
 Amgen Inc., West Greenwich, RI, Quality Risk Intern
 Amway, Grand Rapids, MI, Manufacturing intern
 AstraZeneca, Frederick, MD, Downstream Intern
 CEPISA, Madrid, Non-US, Summer Analyst
 Dow Chemical Company, Newark, DE, Manufacturing and Engineering Intern
 Estée Lauder Companies, Melville, NY, Formulations Intern
 Evonik, Birmingham, AL, Process Engineering Intern
 GlaxoSmithKline, Warren, NJ, Intern
 International Flavors and Fragrances, Union Beach, NJ, Intern
 LifeCell, Branchburg, NJ, Operations Engineering Intern
 MediFinish LLC/Medin Corp, Passaic/Totowa, NJ, Lab/Quality Control Assistant
 Mitsubishi UFJ Financial Group, Inc. (MUFG), New York, NY, Summer Analyst
 Navigant Consulting, New York, NY, Summer Associate
 Pfizer, New York, NY, Regulatory Strategist Intern
 Pharmacyclics, Sunnyvale, CA, Intern
 Philadelphia Water Department, Philadelphia, PA, Intern Analyst
 Prudential Financial, Newark, NJ, Portfolio Analysis Intern
 Slick Chicks, New York, NY, Chief Marketing Officer
 Smilow Center for Translational Research, Philadelphia, PA, Research Assistant

Computer Engineering

Bloomberg L.P., New York, NY, Software Engineering Intern
 Bloomberg L.P., New York, NY, Software Engineering Intern
 Facebook, Menlo Park, CA, Software Engineer
 Microsoft, Redmond, WA, Program Manager
 NPR (National Public Radio), Washington, DC, Summer Intern
 REVL Capital Group, Philadelphia, PA, Quantitative Analyst
 University of Pennsylvania - Kod*Lab, Philadelphia, PA, Researcher

Computer Science

Name of Company/Title not provided
 1stdibs.com Inc., New York, NY, Front-end developer intern
 Amazon, Seattle, WA, SDE Intern
 Apple, Cupertino, CA, Software Engineering Intern
 athenahealth, Austin, TX, Software Development Intern
 Bridgewater Associates, Westport, CT, Technology Associate
 Cadre, New York, NY, Summer Engineering Intern

CardConnect, King of Prussia, PA, Tech Intern
Cognitive Operational Systems, Philadelphia, PA, Software Intern
DocuSign, San Francisco, CA, Software Engineer
DocuSign, Seattle, WA, Software Engineering Intern
Facebook, New York, NY, Software Engineering Intern
Facebook, Menlo Park, CA, Software Engineer Intern
Facebook, Menlo Park, CA, Software Engineer
Facebook, Menlo Park, CA, Software Engineering Intern
Facebook, Menlo Park, CA, Software Engineering Intern
Goldman Sachs, New York, NY, Tech FICC Summer Intern
Goldman Sachs, New York, NY, Technology Summer Analyst
Google, New York, NY, Software Engineering Intern
Google, Mountain View, CA, Software Engineer Intern
Google, Mountain View, CA, Software Engineering Intern
Google, New York, NY, Software Engineering Intern
Google, New York, NY, Software Engineering Intern
Guardian Life Insurance, Bethlehem, PA, Web Developer Intern
Intel, Hillsboro, OR, Software Engineering Intern
Intuit, Mountain View, CA, Software Engineering Intern
Jet.com, Hoboken, NJ, Software Engineering Intern
JPMorgan Chase & Co., Newark, DE, Technology Analyst
JPMorgan Chase & Co., Jersey City, NJ, Technology Analyst
JPMorgan Chase & Co., New York, NY, Technology Analyst Program Intern
LinkedIn, Sunnyvale, CA, Software Engineering Intern
Lockheed Martin, King of Prussia, PA, Software Developer intern
MathWorks, Natick, MA, Software Developer
Microsoft, New York, NY, Software Development Intern/Civic Tech Fellow
Microsoft, Seattle, WA, Program Manager
Microsoft, Redmond, WA, Intern
MIT Minority Introduction to Engineering and Science, Boston, MA, Teaching Assistant and Residential Advisor
Moven, Philadelphia, PA, Software Engineering Intern
Netsil, San Francisco, CA, Software Engineering Intern
Oracle, Redwood City, CA, Software Engineering Intern
Palantir Technologies, Palo Alto, CA, Forward Deployed Engineer Intern
Palantir Technologies, Washington, DC, Forward Deployed Software Engineer Intern
Pays.ly Technologies, Los Angeles, CA, Software Engineer
Raise.me, San Francisco, CA, Software Engineering Intern
Redfin Corporation, San Francisco, CA, Product Manager Intern
Ripple, San Francisco, CA, Software Development Intern
SpaceX, Hawthorne, CA, Enterprise Software Engineering Intern
Splat Inc., Philadelphia, PA, Web Development Intern
Stranger Studios, Reading, PA, Web Development Intern
Susquehanna International Group, Bala Cynwyd, PA, Technology Intern
Tapad, New York, NY, Software Engineering Intern
The Children's Hospital of Philadelphia, Philadelphia, PA, Bioinformatics Intern
Twitch, Inc., San Francisco, CA, Software Engineering Intern
University of Pennsylvania, Philadelphia, PA, Research Assistant
University of Pennsylvania, Philadelphia, PA, Research Assistant
University of Pennsylvania, Philadelphia, PA, Research Assistant
University of Pennsylvania, GRASP Lab, Philadelphia, PA, Research Assistant
Wayfair, Boston, MA, Software Engineering Intern
We-Innovation, New York, NY, Jr. Chief Intelligence Officer, Freelance

WeWork, New York, NY, Software Engineering Intern
x.ai, New York, NY, Web Apps Intern

Digital Media Design

Amazon, Seattle, WA, Software Development Engineer Intern
Apple, Sunnyvale, CA, 3D Prototype Development Intern
Apple, Cupertino, CA, User Experience Intern
Apple, Cupertino, CA, Intern
Facebook, Menlo Park, CA, Software Engineering Intern
Oculus Story Studio, San Francisco, CA, CG Generalist Intern
Penrose Studios, San Francisco, CA, Software Engineering Intern
Touch Surgery, London, Non-US, Engineering Intern
University of Pennsylvania, Philadelphia, PA, Research Assistant
University of Pennsylvania - Department of Computer and Information Science, Philadelphia, PA, Research Assistant
University of Pennsylvania SIG Center for Computer Graphics, Philadelphia, PA, Research Assistant
USA Today/Gannett, New York, NY, Unity 3D Developer

Electrical Engineering

Brown Brothers Harriman & Co., New York, NY, Systems Engineering Intern
Evercore, New York, NY, private Funds Group Summer Analyst
Latch, New York, NY, Junior Electrical Engineer
University of Pennsylvania, Philadelphia, PA, Research Assistant
University of Pennsylvania Law School, Philadelphia, PA, Center for Technology, Innovation and Competition Research Fellow
West Agile Labs, San Francisco, CA, Project Manager

Materials Science and Engineering

Guardian Life Insurance, Philadelphia, PA, Technology Intern
Lawrence Berkeley National Laboratory, Berkeley, CA, Research Intern
Wabtec Corporation, Wilmerding, PA, Materials Engineer
Zane Benefits, Salt Lake City, UT, Demand Generation Intern

Mechanical Engineering and Applied Mechanics

Alliance Bernstein, Location not provided, Business Analyst Intern
Alloy Product Development, San Francisco, CA, Mechanical Engineering Intern
Amtrak, Philadelphia, PA, Intern Technical - 3 Years Completed
Applied Predictive Technologies, Arlington, VA, Quality Assurance Engineering Intern
Barrett Medical, Boston, MA, Mechanical Engineering Intern
Bessolo Design Group, St. Petersburg, FL, Mechanical Engineering Intern
Canary, New York, NY, Mechanical Engineering Intern
Capital One, McLean, VA, Business Analyst
Chromalloy, Orangeburg, NY, Engineering Intern
Comcast/NBCUniversal, Philadelphia, PA, Mechanical Engineer Intern
Credit Suisse, New York, NY, Analyst
Deutsche Bank, New York, NY, Summer Analyst
DIY, San Francisco, CA, Software Engineering Intern
Flex, Austin, TX, Mechanical Engineering Intern
Fortress Investment Group, Philadelphia, PA, Intern
GE Power, Schenectady, NY, Manufacturing Engineering Intern
Horizons School of Technology, Philadelphia, PA, Software Developer
iRobot, Bedford, MA, Mechanical engineering intern

Karma Mobility, Inc., New York, NY, Mechanical Design Engineer
 L-3 Communication Systems, Camden, NJ, Mechanical Engineering Intern
 Langan Engineering and Environmental Services, New York, NY, Summer Intern
 Matchstick LLC, Boonton, NJ, Associate
 McCormick & Company, Hunt Valley, MD, Sustainability Engineering Intern
 MDA US Systems LLC, Pasadena, CA, Mechanical Engineering Intern
 Momenee Inc., Bryn Mawr, PA, Summer Intern
 Museum of Science and Industry, Chicago, Chicago, IL, Robot Specialist
 National Transportation Safety Board, Washington, DC, Student Intern
 Netronix Inc., Philadelphia, PA, Product Designer
 Redwing Technologies, Fasano, Non-US, Intern
 Reliance Industries Limited, Jamnagar, Non-US, Robotics Development Intern
 Rex Medical Inc., Conshohocken, PA, Automation Intern
 Schlumberger, Houston, TX, Mechanical Engineering Intern
 Shoals Marine Laboratory, Appledore Island, ME, Sustainability Engineering Intern
 Sikorsky Aircraft, Shelton, CT, Program Management Intern
 Think Surgical, Fremont, CA, Mechanical engineering intern
 United States Air Force, Arlington, VA, Intern
 University of Nevada Las Vegas (UNLV), Las Vegas, NV,
 University of Pennsylvania, Philadelphia, PA, Engineering Career Day Student Coordinator
 University of Pennsylvania, Philadelphia, PA, Research Assistant
 University of Pennsylvania - Robotics/ Mechanical Engineering and Applied Mechanics, Philadelphia, PA, Resident
 Teaching Assistant and Lab Coordinator
 University of Pennsylvania, Complex Fluids Lab, Philadelphia, PA, Prototyper
 University of Pennsylvania, GRASP Lab, Philadelphia, PA, Research Assistant
 University of Pennsylvania, Modlab, Philadelphia, PA, Intern
 Wessels Harvesting, Alma, NE, Title not provided

Networked and Social Systems Engineering

athenahealth, Boston, MA, Software Engineering Intern
 Birthright Israel Excel, Herzliya, Israel, Business Analyst
 Citadel LLC, Chicago, IL, Quantitative Strategies Intern
 Suez Water Company, Toms River, NJ, Intern
 Team8, Tel Aviv, Non-US, Business Analyst
 Twine Labs, Philadelphia, PA, Algorithm Engineer

Systems Science and Engineering

Amazon, Seattle, WA, Engineer
 Apple, Sunnyvale, CA, Project Management Intern
 Arkema, Inc., King of Prussia, PA, Market Research Intern
 Deutsche Bank, New York, NY, Investment Banking Summer Analyst
 Ernst & Young, New York, NY, Technology Advisory Program
 Google, Mountain View, CA, Associate Product Manager
 GSVlabs, Redwood City, CA, Business Development & Digital Marketing Analyst
 JPMorgan Chase & Co., New York, NY, Summer Technology Analyst
 Lockheed Martin, Syracuse, NY, Software Engineering Intern
 Penn Center for Innovation, Philadelphia, PA, Administrative Assistant
 RBC Capital Markets, New York, NY, Summer Analyst
 Red Bull, Santa Monica, CA, Distribution Strategy Intern
 Renaissance Strategic Advisors, Washington, DC, Summer Analyst
 Stripes Group, New York, NY, Summer Analyst
 Thyssengas, Dortmund, Non-US, Strategic Planning and Corporate Development Intern (Ruhr Fellow)

Vanguard, Malvern, PA, College to Corporate Business Intern

ENGINEERING DOUBLE MAJORS

Applied Science – Biomedical Science and Economics

PwC, New York, NY, Associate Intern

Bioengineering and Computer Science

Amazon, Seattle, WA, Software Development Engineer Intern

athenahealth, Watertown, MA, Intern

Facebook, Menlo Park, CA, Software Engineer Intern

Goldman Sachs, New York, NY, Technology Summer Analyst

Bioengineering and Philosophy

University of Pennsylvania, Philadelphia, PA, Research Assistant

Chemical & Biomolecular Engineering and Economics

ExxonMobil, Houston, TX, Analyst Intern

Computer Engineering and East Asian Languages

Goldman Sachs, Jersey City, NJ, Technology Summer Analyst

Computer Science and Criminology

Exelon, Philadelphia, PA, Intern

Computer Science and Economics

Goldman Sachs, New York, NY, Summer Technology Analyst

Uber Technologies Inc., San Francisco, CA, Software Engineer

Computer Science and Mathematics

Bloomberg L.P., New York, NY, Software Engineering Intern

Tapad, New York, NY, Software Engineering Intern

Computer Science and Systems Science & Engineering

Microsoft, Redmond, WA, Program Manager Intern

Digital Media and Economics

JPMorgan Chase & Co., New York, NY, Technology Analyst Intern

Electrical Engineering and Computer Engineering

Intel, King of Prussia, PA, Embedded Software Intern

Mechanical Engineering & Applied Mechanics and Economics

Sage Corps, Sydney, Australia, Consultant & Data Analytics Specialist

Mechanical Engineering & Applied Mechanics and Electrical Engineering

University of Pennsylvania, Philadelphia, PA, Rapid Prototyping Lab Supervisor

Mechanical Engineering & Applied Mechanics and Physics

Schaeffler Japan, Yokohama, Japan, Intern

Systems Science & Engineering and Economics

Comcast NBCUniversal, Philadelphia, PA, Data & Process Analyst Intern

ENGINEERING DUAL DEGREES (BAS/BSE & MSE)**Bioengineering (BSE) and Bioengineering (MSE)**

BD, Franklin Lakes, NJ, Materials Science & Polymer Engineering Intern

Canon US Life Sciences, Rockville, MD, R&D Engineering Intern

Johnson & Johnson, Skillman, NJ, R&D Intern

Perelman School of Medicine, Philadelphia, PA, Research Assistant

Teva Pharmaceuticals, Location not disclosed, , Biologics R&D Intern

University of Pennsylvania Health System, Philadelphia, PA, Research Assistant

University of Pennsylvania Health System, Philadelphia, PA, Research Assistant

Chemical & Biomolecular Engineering (BSE) and Chemical & Biomolecular Engineering (MSE)

University of Pennsylvania, Philadelphia, PA, Laboratory Technician

Computer Engineering (BSE) and Computer & Information Science (MSE)

Facebook, Menlo Park, CA, Technical Program Manager

Microsoft, Cambridge, MA, Software Engineer Intern

Wealthfront, Redwood City, CA, Software Engineering Intern

Computer Engineering (BSE) and Robotics (MSE)

Intuitive Surgical, Sunnyvale, CA, Embedded Software Engineering Intern

Netsil, San Francisco, CA, Software Development Intern

Computer Science (BSE) and Computer & Information Science (MSE)

Capital One, McLean, VA, Software Engineering Intern

Facebook, Menlo Park, CA, Software Engineering Intern

Google, Irvine, CA, Software Engineering Intern

Morgan Stanley, New York, NY, Technology Analyst

Palantir Technologies, Washington, DC, Forward Deployed Software Engineer Intern

Qualtrics, Seattle, WA, Software Engineering Intern

Uber Technologies Inc., San Francisco, CA, Software Engineer Intern

University of Pennsylvania, Philadelphia, PA, Researcher

University of Pennsylvania, Philadelphia, PA, Research Assistant

JPMorgan Chase & Co., Newark, DE, Summer Technology Analyst

Digital Media Design (BSE) and Computer Graphics & Game Technology (MSE)

Goldman Sachs, New York, NY, Summer Tech Analyst

Digital Media Design (BSE) and Robotics (MSE)

Google, London, Non-US, Software Engineering Intern

Electrical Engineering (BSE) and Electrical Engineering (MSE)

NextEra Energy, Miami, FL, Summer College Intern

Electrical Engineering (BSE) and Robotics (MSE)

Intuitive Surgical, Sunnyvale, CA, Electrical Engineer Intern

Materials Science & Engineering (BSE) and Materials Science & Engineering (MSE)

Brookhaven National Laboratory, Upton, NY, Summer Collaborator

Mechanical Engineering & Applied Mechanics (BSE) and Mechanical Engineering & Applied Mechanics (MSE)

Alcoa, New Kensington, PA, Process Modeling Intern

Eaton Corporation, Cleveland, OH, Engineering & Technology Intern

Roche Tissue Diagnostics, Tucson, AZ, R&D Intern

Schlumberger, Houston, TX, New Product Development

United Nation's Children's Emergency Fund (UNICEF), Amman, Jordan, Knowledge Management Intern, WASH Section

University of Pennsylvania - MEAM, 3D Lab, Philadelphia, PA, Senior Additive Manufacturing Assistant, Research Coordinator

University of Pennsylvania, GRASP Lab, Philadelphia, PA, Research Assistant

Mechanical Engineering & Applied Mechanics (BSE) and Robotics (MSE)

Alta Motors, Brisbane, CA, Robotics Intern

Tesla Motors, Fremont, CA, New Product Introduction Engineer Intern

University of Pennsylvania, Philadelphia, PA, Additive Manufacturing Assistant

University of Pennsylvania, GRASP Lab, Philadelphia, PA, Research Assistant

Networked & Social Systems Engineering (BSE) and Computer & Information Science (MSE)

Audible, Newark, NJ, Software Development Engineer Intern

Google, New York, NY, Software Engineering Intern

Real Earth Inc., Pittsburgh, PA, Software Engineer

Systems Science & Engineering (BSE) and Systems Engineering (MSE)

AQR Capital Management, Greenwich, CT, Research Intern

Ernst & Young, New York, NY, Technology Advisory Program Intern

ENGINEERING and COLLEGE OF ARTS & SCIENCES DUAL DEGREES (BAS/BSE and BA)**Applied Science – Computer & Cognitive Science and Cognitive Science**

Goldman Sachs, Jersey City, NJ, Technology Summer Analyst

Computer Science and Physics

Facebook, Menlo Park, CA, Software Engineering Intern

Electrical Engineering and Physics

Morgan Stanley, Hong Kong, Non-US, Summer Analyst, Fixed Income Division

Materials Science & Engineering and Physics

University of Pennsylvania, Philadelphia, PA, Research Assistant

University of Southern California, Los Angeles, CA, Visiting Research Scholar

Mechanical Engineering & Applied Mechanics and Earth Science

Northrop Grumman, El Segundo, CA, College Intern Technical

Mechanical Engineering & Applied Mechanics and Physics

Upside Travel, Washington, DC, Data Scientist

ENGINEERING and WHARTON DUAL DEGREES (BAS/BSE and BS)

Applied Science – Biomedical Science and Finance

Morgan Stanley, Los Angeles, CA, Mergers and Acquisitions Summer Analyst

Applied Science – Biomedical Science and Management/Marketing

McKinsey & Company, New York, NY, Summer Business Analyst

Applied Science – Biomedical Science and Management/Operations, Information and Decisions

ClearView Healthcare Partners, Boston, MA, Analyst

Applied Science – Computer Science and Finance

Apollo Global Management, New York, NY, Summer Analyst

Evercore, New York, NY, Summer Analyst

Goldman Sachs, New York, NY, Investment Banking Summer Analyst

Morgan Stanley, New York, NY, Investment Banking Summer Analyst

Morgan Stanley, New York, NY, Investment Banking Summer Analyst, Global Technology Group

Applied Science – Computer Science and Finance/Behavioral Economics

Ultra Capital LLC, San Francisco, CA, Intern

Applied Science – Computer Science and Finance/Management

Apple, Cupertino, CA, Engineering Program Management

Apple, Cupertino, CA, Engineering Program Management Intern

Bridgewater Associates, Stamford, CT, Technological Associate Intern

Goldman Sachs, New York, NY, Investment Banking Strats Summer Analyst

Morgan Stanley, , , Investment Banking Summer Analyst

ZS Associates, Princeton, NJ, Business Analyst Intern

Applied Science – Computer Science and Finance/Statistics

Facebook, Seattle, WA, Data Scientist Intern

Self-Employed - Freelance, New York, NY, Technical Consultant

Applied Science – Computer Science and Management

Biobots, Philadelphia, PA, Software Engineer

Lyft, San Francisco, CA, Product Management Intern

Applied Science – Computer Science and Management/Marketing & Operations Management

Applied Predictive Technologies, Washington, DC, Associate Product Manager Intern

Warby Parker, New York, NY, Title not provided

Applied Science – Computer Science and Management/Statistics

Barclays, New York, NY, Summer Analyst

Applied Science – Computer Science and Statistics

Airbnb, San Francisco, CA, Data Science Intern

Amazon, Seattle, WA, Software Development Engineer Intern

Originate, Inc., Los Angeles, CA, Software Engineering Intern

Applied Science – Computer Science and Undeclared

Bright Idea, Philadelphia, PA, Co-Founder & Head of Operations

Monexo Innovations Limited, Hong Kong, Technology Intern

Applied Science – Individualized and Statistics

Bessemer Venture Partners, New York, NY, Venture Capital Analyst

Bioengineering and Finance

Airbnb, San Francisco, CA, Software Engineering Intern

Credit Suisse, San Francisco, CA, Investment Banking Summer Analyst

University of Pennsylvania - Perelman School of Medicine, Division of Gastroenterology, Philadelphia, PA, Research Assistant

Bioengineering and Marketing

Macquarie Capital, New York, NY, Summer Analyst

Chemical & Biomolecular Engineering and Statistics

TransMarket Group LLC, Chicago, IL, Relative Value Arbitrage Trading Intern

Computer Engineering and Finance

NewsCred, New York, NY, Full Stack Software Engineering Intern

Computer Science and Finance

Amazon, Seattle, WA, SDE Intern

Amazon, Seattle, WA, Software Development Engineer Intern

Goldman Sachs, London, Non-US, Summer Analyst

Goldman Sachs, New York, NY, Strats Summer Analyst

Microsoft, Redmond, WA, Software Engineer Intern

Computer Science and Finance/Management

NerdWallet Inc., San Francisco, CA, Software Engineering Intern

Computer Science and Finance/Statistics

Bridgewater Associates, Westport, CT, Technology Associate Intern

Citadel LLC, New York, NY, Software Engineering Intern

Computer Science and Management

Apple, Cupertino, CA, Engineering Program Manager

Bridgewater Associates, Westport, CT, Summer Technology Associate

Johnson & Johnson, New Brunswick, NJ, Product Management Intern

Computer Science and Marketing

Apple, Sunnyvale, CA, Engineering Project Manager

Computer Science and Statistics

Google, Mountain View, CA, Software Engineering Intern

Microsoft, Redmond, WA, Software Engineering Intern

Electrical Engineering and Finance

Citadel LLC, New York, NY, Investment & Trading

Electrical Engineering and Operations, Information & Decisions

Morgan Stanley, New York, NY, Business Analyst

Materials Science & Engineering and Finance

Centerview Partners, New York, NY, Summer Analyst

PwC, New York, NY, Advisory Associate Intern

University of Pennsylvania - School of Engineering and Applied Science, Philadelphia, PA, Teaching Assistant

Materials Science & Engineering and Statistics

OpenX, Pasadena, CA, Finance Intern

Mechanical Engineering & Applied Mechanics and Behavioral Economics

ExxonMobil, Houston, TX, Facilities Engineering Intern

Mechanical Engineering & Applied Mechanics and Finance

AQR Capital Management, Greenwich, CT, Summer Research Analyst, Global Stock Selection Group

Qatalyst Partners, San Francisco, CA, Summer Analyst

Wells Fargo, New York, NY, Investment Banking Summer Analyst

Mechanical Engineering & Applied Mechanics and Management

Avascent, Washington, DC, Summer Analyst

Google (Nest), Palo Alto, CA, Hardware Engineering Intern

Mechanical Engineering & Applied Mechanics and Marketing & Operations Management

Hasbro, Pawtucket, RI, Assistant Brand Manager

Mechanical Engineering & Applied Mechanics and Operations, Information & Decisions

Kraft-Heinz Company, Chicago, IL, Corporate Management Intern

Mechanical Engineering & Applied Mechanics and Management/Finance

Tesla Motors, San Francisco, CA, Finance Intern

Systems Science & Engineering and Finance

Deutsche Bank, New York, NY, Markets Summer Analyst

Moelis & Company, Los Angeles, CA, Investment Banking Summer Analyst

PwC, New York, NY, Management Consulting Intern

Signal Hill, Boston, MA, Summer Analyst

Systems Science & Engineering & Management

Roche Tissue Diagnostics, Mountain View, CA, Project Management Intern

Walt Disney Company, Lake Buena Vista, FL, Industrial Engineering Professional Intern

Systems Science & Engineering & Marketing

Goldman Sachs, New York, NY, Operation Summer Analyst

Systems Science & Engineering & Finance/Accounting

Perella Weinberg Partners, New York, NY, Summer Analyst

Systems Science & Engineering & Finance/Management

Credit Suisse, New York, NY, Summer Investment Banking Analyst

General Motors, Detroit, MI, Financial Analyst

Systems Science & Engineering & Management/Operations, Information and Decisions

Capital One, McLean, VA, Business Analyst - Product Management & Analytics

Facebook, Menlo Park, CA, Product Specialist

ENGINEERING and GRADUATE ARTS & SCIENCES (BSE and MA)**Computer Science, Mathematics and Mathematics (MA)**

DIMACS REU, Piscataway, NJ, Summer Research

ENGINEERING DUAL DEGREE (BAS/BSE & MSE) & DOUBLE MAJOR**Chemical & Biomolecular Engineering, Scientific Computing (MSE), Mathematics**

Los Alamos National Lab, Los Alamos, NM, Research Intern

Mechanical Engineering & Applied Mechanics, Systems Engineering (MSE), Mathematics

HC Technologies, Chicago, IL, Quantitative Trading intern

Mechanical Engineering & Applied Mechanics, Systems Engineering (MSE), Theatre Arts

University of Pennsylvania Health System, Philadelphia, PA, Administrative Assistant/Data Analytics

SUMMER 2016 SURVEY OF RISING JUNIORS—CLASS OF 2018

OVERVIEW

Career Services surveys students at the end of the summer, seeking information about students' summer activities. Students in the class of 2018 were "rising juniors" during Summer 2016, and 194 (43%) of 446 students completed this survey. Rising juniors may engage in a range of summer activities: taking courses; volunteering; interning in a paid or unpaid, full-time or part-time position; traveling; engaging in research on one's own or at Penn or another institution; externing or job shadowing; or any combination of summer activities.

For the class of 2018, 90% of the respondents shared information about work experiences (summer job, internship, research, volunteer work, externship)—both full-time and part-time.

Prepared by Tiffany Franklin, Associate Director
March 2017

SUMMER 2016 PRIMARY ACTIVITY

(as reported by 192 students)

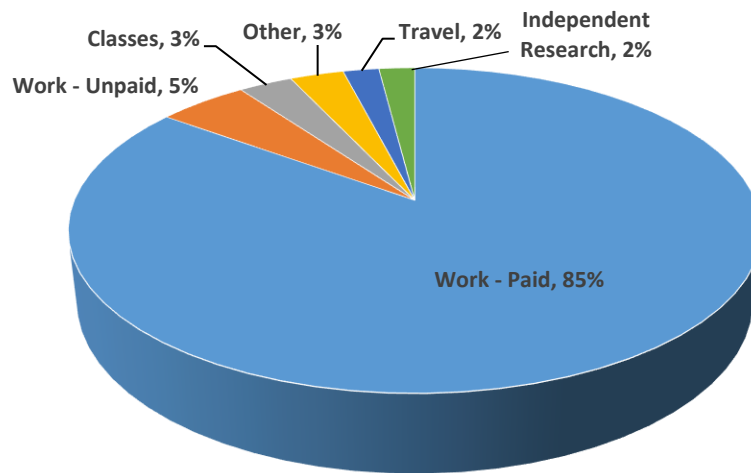


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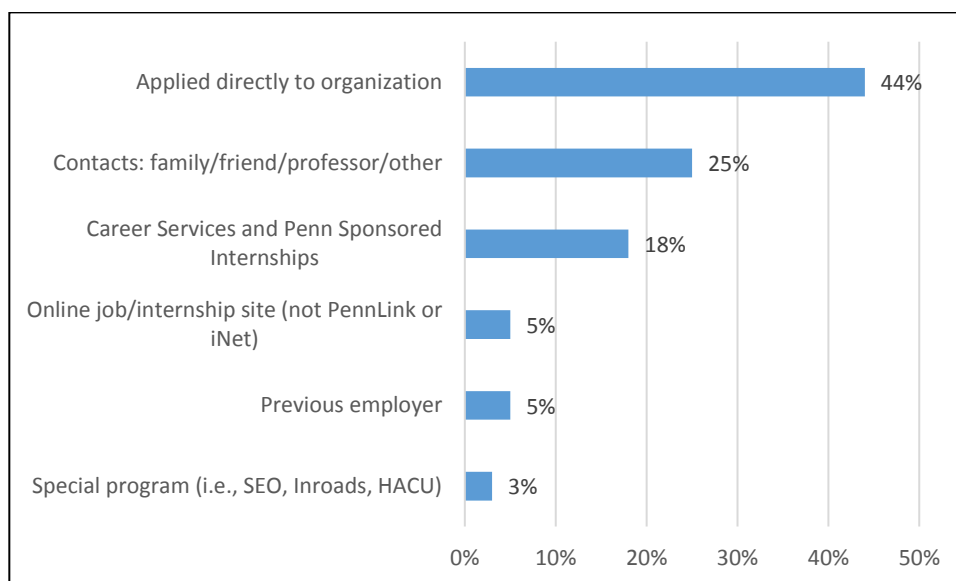
WORK EXPERIENCES—HOURS AND WAGES IN SUMMER 2016

Full-Time Employment		Part-Time Employment	
Number of Respondents:	164	Number of Respondents:	10
Unpaid Position:	8	Unpaid Position:	2
Paid Position:	156	Paid Position:	8
Did not report Salary:	24	Did not report Salary:	0
Average Monthly Salary:	\$3,620	Average Monthly Salary:	\$1,307
Monthly Salary Range:	\$800 - \$10,400	Monthly Salary Range:	\$800-\$2,560
Average Hours per Week:	43	Average Hours per Week:	20
Range of Hours per Week:	30-110	Range of Hours per Week:	12-25

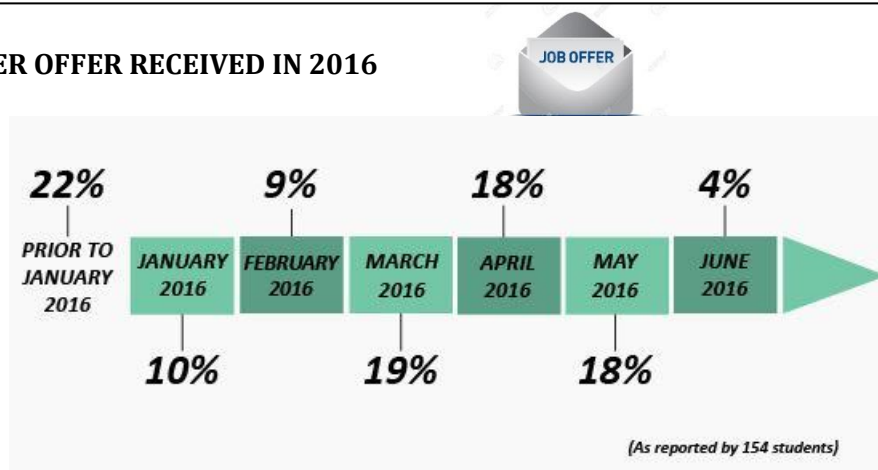
Note: In summer of 2015, the average monthly salary for full-time employment was \$3,282 and it rose to \$3,620 for summer 2016.

HOW STUDENTS OBTAINED SUMMER POSITIONS IN 2016

(as reported by 158 students)



DATE SUMMER OFFER RECEIVED IN 2016

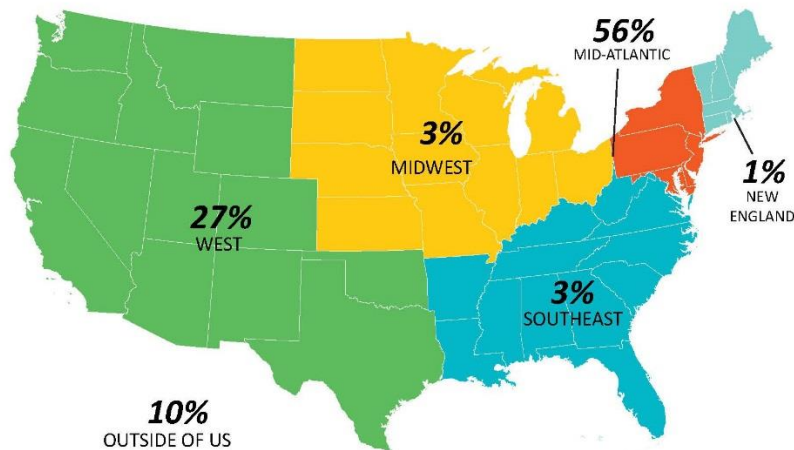


EMPLOYERS WITH MOST OFFERS ACCEPTED IN SUMMER 2016

(includes full-time and part-time positions)

University of Pennsylvania	31
Google	10
University of Pennsylvania Health System	4
JP Morgan Chase & Co.	4
Microsoft	3
PricewaterhouseCoopers	3
Amazon	2
Blackstone	2
Bloomberg LP	2
Comcast/NBCUniversal	2
Facebook	2
Lockheed Martin	2
Redfin	2
SpaceX	2

LOCATION OF SUMMER POSITIONS IN 2016



The majority of the students were in the Mid-Atlantic region, which includes Pennsylvania, New Jersey, and New York. The states with the highest number of summer positions include:

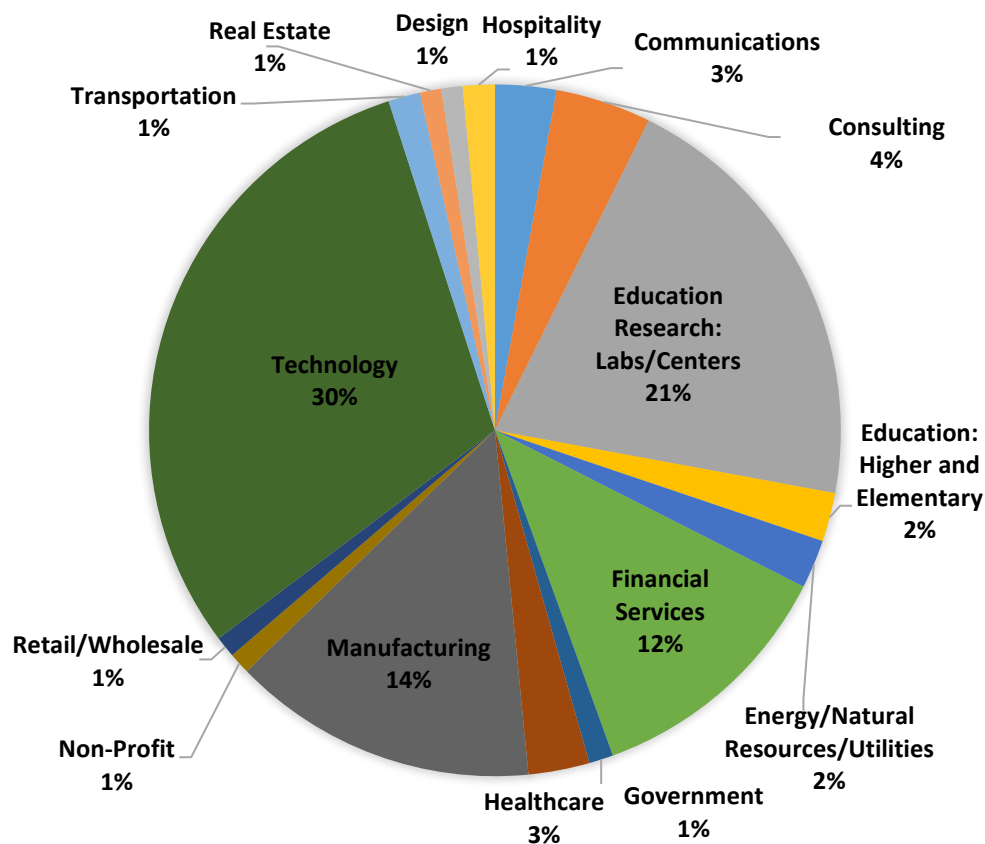
Pennsylvania	34%	Delaware	2%
California	20%	Texas	2%
New York	13%	Illinois	2%
Washington	5%	Non U.S.	10%
New Jersey	4%	All others	8%

INTERNATIONAL EXPERIENCES IN SUMMER 2016

(as reported by 56 students)

Completed classes overseas	17.9%
Traveled overseas.....	51.8%
Worked overseas	30.3%

SUMMER POSITIONS BY INDUSTRY IN SUMMER 2016



SUMMER POSITIONS REPORTED BY MAJOR IN 2016

(Includes all respondents—full-time and part-time; paid and unpaid)

ENGINEERING DEGREE

Applied Science – Biomedical Science

LIU Post Youth Camp, Brookville, NY, General Counselor

National Science Foundation/Louis Stokes Alliance for Minority Participation Greater Philadelphia Summer Research Program, Philadelphia, PA, Research Assistant

University of Pennsylvania - Department of Bioengineering, Philadelphia, PA, Research Assistant

University of Pennsylvania Health System, Philadelphia, PA, Research Assistant

Applied Science – Computer Science

AQR Capital, Greenwich, CT, Summer Research Analyst
IK Investment Partners, London, United Kingdom, Intern
University of Pennsylvania - Management Department, Wharton School, Philadelphia, PA, Student Manager

Bioengineering

BioBots, Philadelphia, PA, Intern
Center for Biomedical Engineering Research, Newark, DE, Intern
Children's Hospital of Philadelphia, Philadelphia, PA, Student Assistant
Short Term Educational Experiences for Research (STEER), Philadelphia, PA, Summer Research Intern
University of Pennsylvania, Philadelphia, PA, Research Assistant
University of Pennsylvania, Philadelphia, PA, Research Assistant
University of Pennsylvania, Philadelphia, PA, Research Assistant
University of Pennsylvania - Department of Bioengineering, Philadelphia, PA, Summer Intern
University of Pennsylvania - McKay Lab for Orthopedic Surgery, Philadelphia, PA, Research Undergraduate
University of Pennsylvania Health System, Philadelphia, PA, Research Assistant
University of Pennsylvania Health System – Radiology, Philadelphia, PA, Research Assistant
Valtech Cardio, Or Yehuda, Israel, Intern
Virginia Polytechnic Institute and State University, Blacksburg, VA, Undergraduate Research Fellow

Chemical and Biomolecular Engineering

Dow Chemical Company, Baton Rouge, LA, Run Plant Engineering Intern
Inyange Industries, Kigali, Rwanda, Intern
TerraCycle Inc., Trenton, NJ, Research and Development Intern
University of Chicago, Chicago, IL, Research Assistant
University of Pennsylvania, Philadelphia, PA, Research Assistant
University of Pennsylvania, Philadelphia, PA, Research Assistant

Computer Engineering

Kazendi, London, United Kingdom, Prototype Engineering Intern
University of Pennsylvania, Philadelphia, PA, Research Assistant
Xilinx, Inc., San Jose, CA, Intern
Xilinx, Inc., San Jose, CA, CMC/Interlaken Intern

Computer Science

Accenture GmbH, Düsseldorf, Germany, Technology Consulting Intern
Amazon Web Services, Seattle, WA, Software Development Engineering Intern
Blackstone, New York, NY, Summer Software Developer
Bloomberg L.P., New York, NY, Software Engineering Intern
Brav Conflict Management, San Francisco, CA, Game Development Engineering Intern
Dimensional Fund Advisors, Santa Monica, CA, Portfolio Management Summer Analyst
Electronic Arts, Redwood City, CA, Data Visualization Intern
Ericsson Inc., Piscataway, NJ, Software Engineering Intern
Facebook (Oculus), Menlo Park, CA, Software Engineering Intern
Google, Mountain View, CA, Engineering Practicum Intern
Lockheed Martin Aeronautics Company, Fort Worth, TX, Systems Engineer Intern
Over, Cape Town, South Africa, iOS Development Intern
Pinterest, San Francisco, CA, Software Engineer Intern

Computer Science (continued)

Qualcomm, San Diego, CA, Software Engineering Intern
Redfin, Seattle, WA, Product Manager Intern
Redfin, San Francisco, CA, Software Engineering Intern
RistCall, Philadelphia, PA, Business Development Intern
Square, San Francisco, CA, Software Engineering Intern
The Chicago Lighthouse, Chicago, IL, IT Intern
Trunk Club, Chicago, IL, Software Engineering Intern
Tumblr, New York, NY, Software Engineering Intern
Tumblr, New York, NY, iOS Core Intern
Two Sigma Investments, New York, NY, Software Engineering Intern
University of Pennsylvania, Philadelphia, PA, Research Assistant
University of Pennsylvania - Computer Science, Philadelphia, PA, Research Assistant
University of Pennsylvania - Computer Science, Philadelphia, PA, Research Assistant

Digital Media Design

Adobe, San Jose, CA, Digital Imaging Intern
IBM Watson, Durham, NC, Software Engineering Intern
Sony Interactive Entertainment America, San Mateo, CA, Software Development Test Engineering Intern
Spaces, Inc., Los Angeles CA, Experience Design Intern
Textio, Seattle, WA, Software Engineering Intern
University of Pennsylvania - PURM, Philadelphia, PA, Research Assistant

Electrical Engineering

Amtrak, Philadelphia, PA, Technical Intern
Lear Corporation, Southfield, MI, Intern
Lockheed Martin, Moorestown, NJ, Network Engineer
Swift Capital, Conshohocken, PA, Business Development and Partnerships Analyst Intern

Materials Science and Engineering

Rachleff Scholars, Philadelphia, PA, Research Assistant
Saint-Gobain APAC Division Investment Ltd., Shanghai, China, Cross-Business Application IT Intern
Singh Center for Nanotechnology, Philadelphia, PA, Lab Technician
University of Pennsylvania, Philadelphia, PA, Research Assistant
University of Pennsylvania, Philadelphia, PA, Research Assistant

Mechanical Engineering and Applied Mechanics

Athos, Redwood City, CA, Mechanical Engineering Intern
BMW Group, Munich, Germany, Product Strategy Intern
Breakthrough, Austin, TX, Summer Teaching Fellow
Delta Air Lines, Atlanta, GA, SCM Intern
Fender Musical Instruments Corporation, Corona, CA, Manufacturing/Mechanical Engineering Intern
Fresh Digital Group, New York, NY, Product Designer
Haifa 3D, Haifa, Israel, 3D Design Intern
Modlab, Philadelphia, PA, Intern Researcher
Philadelphia Water Department, Philadelphia, PA, Engineering Intern
PricewaterhouseCoopers, London, England, Cyber Security and IT Risk Assurance Intern
R&W Concrete, Lansdale, PA, Engineering Intern
Stylex Seating Inc., Delanco, NJ, Product Development Intern

Mechanical Engineering and Applied Mechanics (continued)

The Boeing Company, Clear Lake, TX, Structures and Mechanisms Intern
University of Pennsylvania, Philadelphia, PA, Research Assistant
University of Pennsylvania - GRASP Lab, Philadelphia, PA, Research Assistant
University of Pennsylvania - PURM, Philadelphia, PA, Research Assistant
University of Pennsylvania - Rehabilitation Robotics Laboratory, Philadelphia, PA, Research Assistant
University of Pennsylvania - Turner Group, Philadelphia, Research Assistant

Networked and Social Systems Engineering

Google, Mountain View, CA, Software Engineering Intern
Meetup, New York, NY, Core Engineer Intern
Microsoft, Redmond, WA, Software Engineering and Project Management Intern
University of Pennsylvania, Philadelphia, PA, Research Assistant
Zillow, Seattle, WA, Software Engineering Intern

Systems Science and Engineering

Broadview Networks, King of Prussia, PA, Operations Intern
Camp Tawonga, Yosemite, CA, Camp Counselor
Flytrex, Tel Aviv, Israel, Intern
Ghostery, New York, NY, Product Intern and Analyst
Goldman Properties, Philadelphia, PA, Project Assistant
Maxx Orthopedics, Plymouth Meeting, PA, Biomedical Engineering Intern
Nipponham Foods, Izmir, Turkey, Product Management Intern
Town of Hempstead, East Rockaway, NY, Lifeguard

ENGINEERING DOUBLE MAJORS

Computer Science & Cognitive Science

Google, Cambridge, MA, Software Engineering Intern
SpaceX, Hawthorne, CA, Software Engineering Intern

Computer Science & Mathematics

Bloomberg L.P., New York, NY, Software Engineering Intern

Computer Science & Systems Science and Engineering

Northwestern Mutual, Milwaukee, WI, Business Consultant

Materials Science and Engineering & Architecture

University of Pennsylvania-Laboratory for Research on Structure of Materials, Philadelphia, PA, Research Asst.

Mechanical Engineering and Applied Mechanics & Computer Science

Comcast/NBCUniversal, Sunnyvale, CA, Intern
Phosphorus, New York, NY, Engineering Intern

ENGINEERING DUAL DEGREES (BAS OR BSE/MSE)

Applied Science – Computer Science & Computer and Information Science (MSE)

JPMorgan Chase & Co., Wilmington, DE, Intern

Applied Science – Computer Science & Robotics (MSE)

Microsoft, Seattle, WA, Software Engineering Intern

Bioengineering & Bioengineering (MSE)

University of Pennsylvania – Dept. of Bioengineering, Chow Laboratory, Philadelphia, PA, Research Assistant

Bioengineering & Systems Engineering (MSE)

JPMorgan Chase & Co., Newark, DE, Summer Analyst

Chemical and Biomolecular Engineering & Chemical and Biomolecular Engineering (MSE)

ESAP, Philadelphia, PA, Residential Teaching Assistant

Chemical and Biomolecular Engineering & Materials Science and Engineering (MSE)

Rappe Group, Philadelphia, PA, Undergraduate Researcher

Chemical and Biomolecular Engineering & Systems Engineering (MSE)

SAP, Philadelphia, PA, Support Engineer Intern

Computer Engineering & Electrical Engineering (MSE)

Intel, Santa Clara, CA, Intern

Computer Engineering & Computer and Information Science (MSE)

Giant Eagle, Pittsburgh, PA, Stock Clerk

Peloton Technology, Mountain View, CA, Software Engineering Intern

VMware, Palo Alto, CA, Intern, Member of Technical Staff

Digital Media Design & Computer Graphics and Game Technology (MSE)

BioStream Technologies, LLC, Moorestown, NJ, Software Development Intern

Google, Boulder, CO, Software Engineer

USA Today, Tyson's Corner, VA, Unity Developer

Electrical Engineering & Electrical Engineering (MSE)

JPMorgan Chase & Co., New York, NY, Summer Technology Analyst

Mechanical Engineering and Applied Mechanics & Integrated Product Design (MSE)

Tomorrow Lab, New York, NY, Mechanical Engineering Intern

Mechanical Engineering and Applied Mechanics & Mechanical Engineering & Applied Mechanics (MSE)

JPMorgan Chase & Co., Wilmington, DE, Summer Technology Analyst

South Jersey Industries, Folsom, NJ, Engineering Intern

Mechanical Engineering and Applied Mechanics & Robotics (MSE)

Google X, Mountain View, CA, Mechanical Engineering

OPEX Corporation, Moorestown, NJ, Mechanical Engineering Intern

Redwing Technologies, Fasano, Italy, Robotics Engineering Intern

SpaceX, Hawthorne, CA, Structures Engineering Intern

Tough Mudder, LLC, Brooklyn, NY, Obstacle Design Intern

University of Pennsylvania, Philadelphia, PA, Research Assistant

University of Pennsylvania, Philadelphia, PA, Research Assistant

Networked and Social Systems & Computer and Information Science (MSE)

University of Pennsylvania - Warren Center, Philadelphia, PA, Undergraduate Researcher

Systems Science and Engineering & Systems Engineering (MSE)
Chicago Trading Company, Chicago, IL, Trading Intern

ENGINEERING AND CAS DEGREES

Applied Science - Computer Science & Fine Arts
University of Pennsylvania Health Services, Philadelphia, PA, Full Stack Web and Mobile Engineer

Bioengineering & Political Science
True Ventures, San Francisco, CA, Fellow

Computer Science & Philosophy
CardConnect, King of Prussia, PA, Software Engineering Intern

Materials Science and Engineering & Physics/Astronomy
University of Pennsylvania, Philadelphia, PA, Research Assistant

Systems Science and Engineering & Political Science
PriceWaterhouseCoopers, Dubai, United Arab Emirates, Summer Intern

ENGINEERING AND WHARTON DEGREES*

[*Engineering students in the following majors are also pursuing a Wharton degree. Wharton concentrations were not declared when the survey was conducted.]

Applied Science - Computer Science & Wharton
Goldman Sachs, New York, NY, Summer Intern
University of Pennsylvania - Wharton School, Philadelphia, PA, Programmer/Research Assistant

Applied Science - Individualized & Wharton
The Glenmede Trust, Philadelphia, PA, Private Equity Summer Analyst

Bioengineering & Wharton
Oliver Wyman, Seoul, South Korea, Research Assistant
University of Pennsylvania - Leonard Davis Institute of Economics, Philadelphia, PA, Research Assistant

Computer Science & Wharton
Amazon, Seattle, WA, SDE Intern
Blackstone, New York, NY, Summer Business Analyst
Bravia Capital, Hong Kong, Summer Analyst
CB Insights, New York, NY, Tech Industry Analyst Intern
Facebook, Menlo Park, CA, Software Engineering Intern
Google, Mountain View, CA, Engineering Practicum Intern
Google, Mountain View, CA, Engineering Practicum Intern
Google, Mountain View, CA, Software Engineering Intern
Google, Mountain View, CA, Software Engineering Intern
Microsoft, Redmond, WA, Program Manager Intern
Morgan Stanley, New York, NY, Technology Summer Analyst
NextGen PMS, Bangalore, India, Product Designer Intern

Computer Engineering & Wharton

ModoPayments, San Francisco, CA, Software Developer
Palo Alto Networks, Santa Clara, CA, Intern - Product Management

Electrical Engineering & Wharton

KPMG, Bangalore, India, Intern
University of Pennsylvania – Physics, Philadelphia, PA, Summer Assistant

Mechanical Engineering and Applied Mechanics & Wharton

Google (Nest), Palo Alto, CA, Hardware Engineering Intern
U.S. House of Representatives, Washington, DC, Congressional Intern

Networked and Social Systems Engineering & Wharton

Analytics Operations Engineering, Boston, MA, Summer Analyst

Systems Science and Engineering & Wharton

Comcast/NBCUniversal, Philadelphia, PA, Business Analyst
Green Drake Advisors, Wayne, PA, Summer Intern
Moore Capital, New York, NY, Intern
PriceWaterhouseCoopers, New York, NY, Management Consulting Intern
University of Pennsylvania - Wharton School, Philadelphia, PA, Research Assistant

SUMMER 2016 SURVEY OF RISING SOPHOMORES—CLASS OF 2019

OVERVIEW

Career Services surveys students at the end of the summer, seeking information about students' summer activities. Students in the class of 2019 were "rising sophomores" during Summer 2016, and 187 (41%) of 454 students completed this survey. Rising sophomores may engage in a range of summer activities: taking courses at Penn, volunteering; interning in a paid or unpaid, full-time or part-time position; traveling; engaging in research on one's own or at Penn or another institution; externing or job shadowing; or any combination of summer activities.

For the class of 2019, 80% of the respondents shared information about work experiences (summer job, internship, research, volunteer work, externship)—both full-time and part-time.

Prepared by Tiffany Franklin, Associate Director
March 2017

SUMMER 2016 PRIMARY ACTIVITY

(as reported by 186 students)

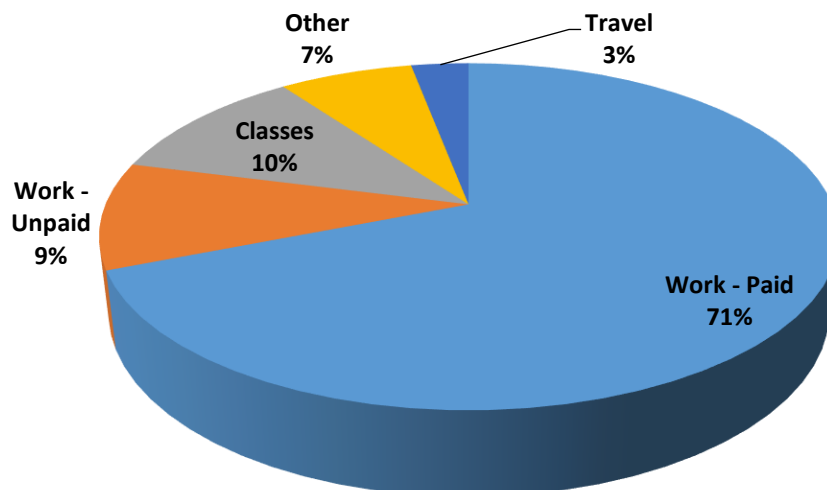


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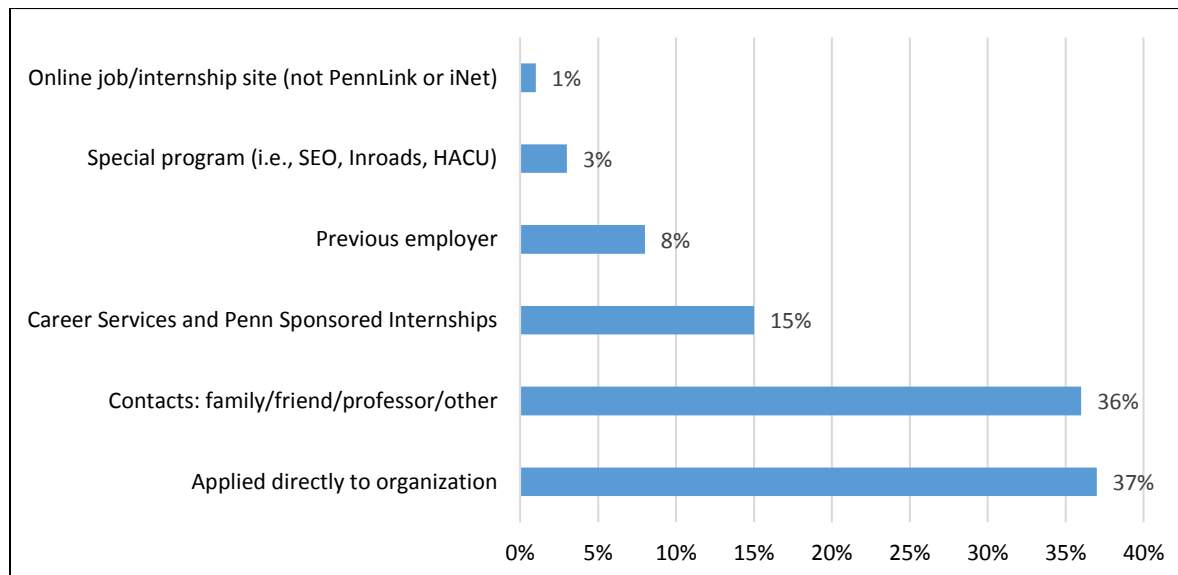
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Summer Positions Reported by Major	page 4

WORK EXPERIENCES—HOURS AND WAGES IN SUMMER 2016

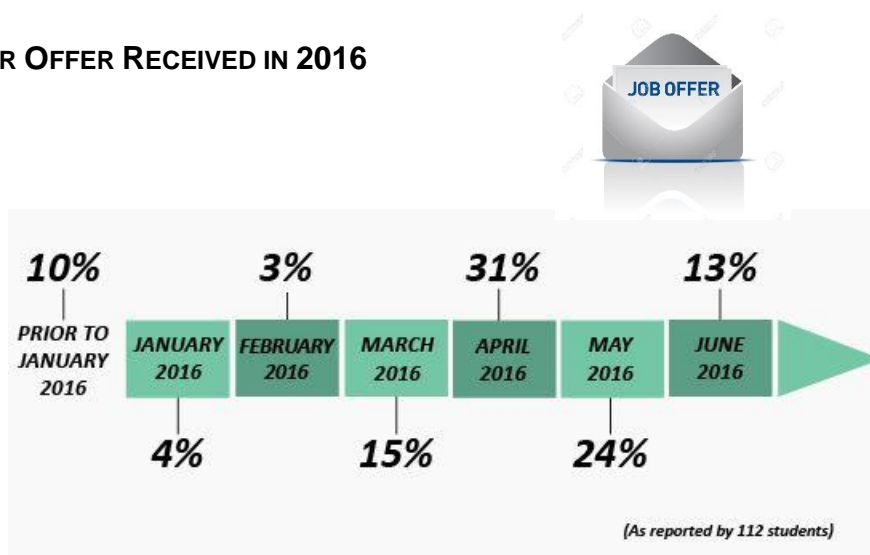
Full-Time Employment		Part-Time Employment	
Number of Respondents:	116	Number of Respondents:	20
Unpaid Position:	12	Unpaid Position:	3
Paid Position:	104	Paid Position:	17
Did not report salary:	29	Did not report Salary:	3
Average Monthly Salary:	\$2,430	Average Monthly Salary:	\$1,035
Monthly Salary Range:	\$300 - \$6,500	Monthly Salary Range:	\$500–\$1,600
Average Hours per Week:	42	Average Hours per Week:	20
Range of Hours per Week:	30–110	Range of Hours per Week:	10-28

HOW STUDENTS OBTAINED SUMMER POSITIONS IN 2016

(as reported by 125 students)



DATE SUMMER OFFER RECEIVED IN 2016

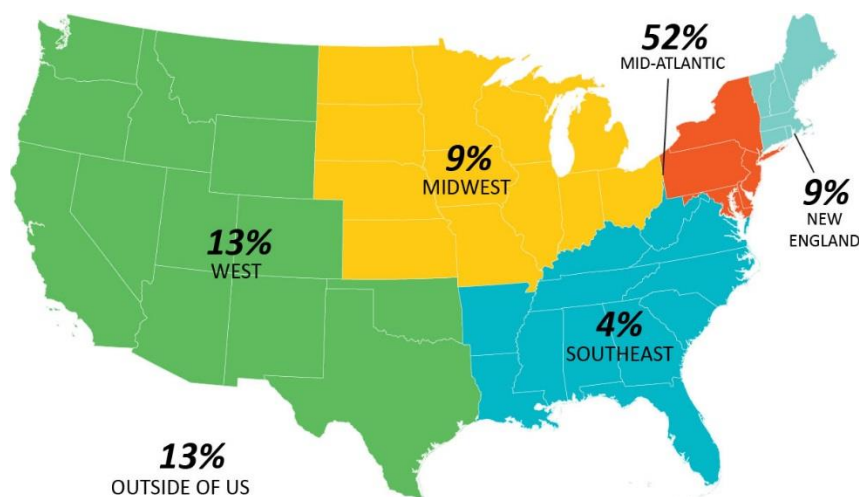


EMPLOYERS WITH MOST OFFERS ACCEPTED IN SUMMER 2016

(includes full-time and part-time positions)

University of Pennsylvania	12
University of Pennsylvania Health System	8
Microsoft	2
NASA	2
Northwestern University	2

LOCATION OF SUMMER POSITIONS IN 2016



The majority of the students were in the Mid-Atlantic region, which includes Pennsylvania, New Jersey, and New York. The states with the highest number of summer positions include:

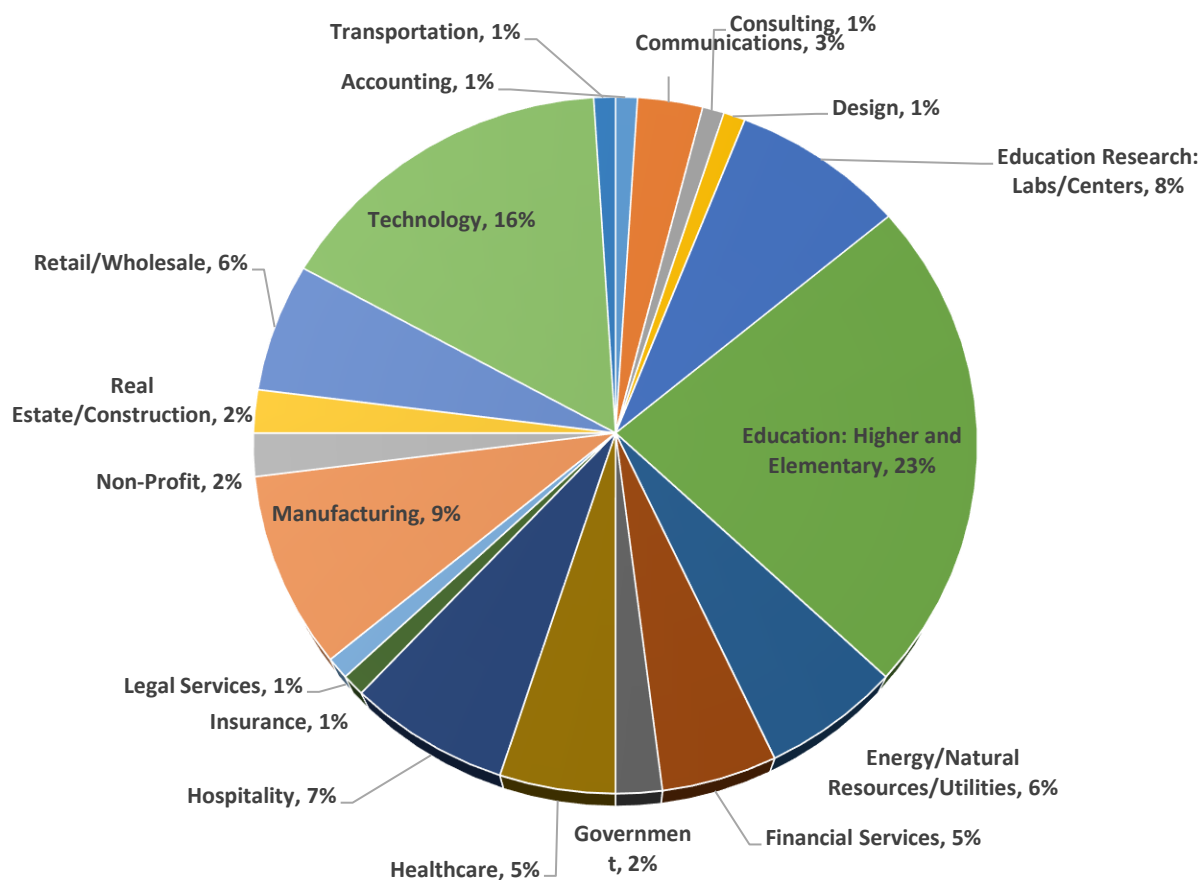
Pennsylvania	37%
California	10%
New Jersey	7%
New York	6%
Massachusetts	6%
Illinois	5%
Ohio	2%
Connecticut	1%
Washington	1%
Non U.S.....	13%
All others.....	12%

INTERNATIONAL EXPERIENCES IN SUMMER 2016

(as reported by 50 students)

Completed classes overseas	16%
Worked overseas	30%
Traveled overseas	54%

SUMMER POSITIONS BY INDUSTRY IN 2016



SUMMER POSITIONS REPORTED BY MAJOR IN 2016

(includes all respondents—full-time and part-time; paid and unpaid)

ENGINEERING DEGREE

Applied Science – Computer Science & Cognitive Science

Max2 Inc., New York, NY, Software Development Intern

Bioengineering

AECOM, Burlington, NJ, Summer Intern

Boston University Health System, Boston, MA, Research Assistant

CCNY Neural Engineering Group, New York, NY, Research Intern

G&E Welding Supply Company, New Castle, DE, Associate

Harvard University, Wyss Institute for Biologically Inspired Engineering, Cambridge, MA, Summer Intern

ICICI Prudential AMC, Mumbai, India, Intern

Meridian Health Plan, Detroit, MI, Student Intern

University of Illinois, Urbana, IL, Laboratory Assistant

University of Pennsylvania, Philadelphia, PA, Research Assistant

Bioengineering (continued)

University of Pennsylvania, Philadelphia, PA, Research Assistant
University of Pennsylvania, Philadelphia, PA, Residential Teaching Assistant
University of Pennsylvania, Philadelphia, PA, Residential Teaching Assistant
University of Pennsylvania, Philadelphia, PA, Research Assistant
University of Pennsylvania, Philadelphia, PA, Research Assistant
University of Pennsylvania - PURM Lab, Philadelphia, PA, Research Assistant
University of Pennsylvania - PURM Lab, Philadelphia, PA, Research Assistant
University of Pennsylvania Health System, Philadelphia, PA, Undergraduate Research Intern
University of Pennsylvania Health System, Philadelphia, PA, Research Assistant
University of Pennsylvania Health System, Philadelphia, PA, Summer Research Fellow

Chemical and Biomolecular Engineering

Cincinnati Children's Hospital Medical Center, Cincinnati, OH, Researcher
Design IP, Allentown, PA, Intellectual Property Law Summer Intern
Douglas Elliman, New York, NY, Real Estate Intern
Johnson & Johnson, Jakarta, Indonesia, Summer Intern
Maritime Rowing Club, Norwalk, CT, Coach
Pratt & Whitney East Hartford, CT, Quality Chemistry Lab Intern
University of Pennsylvania, Philadelphia, PA, Research Assistant
University of Pennsylvania, Philadelphia, PA, Research Assistant
University of Pennsylvania Health System, Philadelphia, PA, Research Assistant
University of Pennsylvania Health System, Philadelphia, PA, Summer Research Intern
ZATA Pharmaceuticals, Worcester, MA, Lab Assistant

Computer Engineering

Cue, Inc., Woburn, MA, Engineering Design Intern
Fidelity Investments, Merrimack, NH, Technical Intern
Google, New York, NY, Engineering Practicum Intern
iCIMS, Matawan, NJ, SDET Intern
Liquid Telecom Zimbabwe, Harare, Zimbabwe, Technical Intern

Computer Science

180LA, Los Angeles, CA, Analytics Intern
Analytical Flavor Systems, State College, PA, Web Development Intern
AuriQ Systems Inc., Pasadena, CA, Software Intern
Brewster Day Camp, Brewster, MA, Counselor
#BUILTBYGIRLS, New York, NY, Ambassador and Public Speaker
Champion Laboratories, Lake Forest, IL, Intern
DealerTrack, Lake Success, NY, Software Engineering Intern
DWP Group, Lahore, Pakistan, Intern
IKEA, Elizabeth, NJ, Logistics Outflow Intern
Ingenious Smart Home, Istanbul, Turkey, Software Development Intern
JP Morgan, Jersey City, NJ, Technology Summer Analyst
Laborers' District Council (LDC), Philadelphia, PA, Web-text Programmer
Microsoft, Redmond, WA, Software Engineering Intern
Microsoft, Redmond, WA, Explore Intern
Mingjian, Shanghai, China, Graphic Design Intern
Northwestern University, Feinberg School of Medicine, Chicago, IL, IT Intern
Reality Analytics, Inc., Columbia, MD, Intern

Computer Science (continued)

RoadTrip Nation, Costa Mesa, CA, Roadtripper/Interviewer
SAP America, Newtown Square, PA, STAR Intern
Temple University, Control, Sensor, Network & Perception Laboratory, Philadelphia, PA, Research Asst.
University of Pennsylvania, Philadelphia, PA, Research Assistant
University of Pennsylvania, Philadelphia, PA, Research Assistant
University of Pennsylvania, Philadelphia, PA, Research Assistant
University of Pennsylvania, Philadelphia, PA, Research Assistant
University of Pennsylvania - Civic House, Philadelphia, PA, Community Engagement Intern
University of Pennsylvania - Department of Earth & Environmental Sciences, Philadelphia, PA, Res. Asst.
University of Pennsylvania - GRASP Lab, Philadelphia, PA, Research Assistant
Western Securities, Shanghai, China, Intern

Digital Media Design

brEDcrumb, Philadelphia, PA, Brand Management and Product Design Intern
iD Tech, Palo Alto, CA, Instructor
Northwestern University, Evanston, IL, Research Assistant
SIGGRAPH 2016, Anaheim, CA, Student Volunteer
University of Pennsylvania, Philadelphia, PA, Research Assistant
University of Pennsylvania - Computer Graphics, Philadelphia, PA, Research Assistant
University of Pennsylvania - GEMS Program, Philadelphia, PA, Counselor
University of Pennsylvania - Wharton Management, Philadelphia, PA, Research Assistant
uSens Inc., San Jose, CA, Virtual Reality UI/UX Designer

Electrical Engineering

CPS Energy, San Antonio, TX, Intern
Energy Analytics, LLC, La Jolla, CA, Copy Editor and Proofreader
Glendale Recreation Association, Newport News, VA, Lifeguard
Great Lakes Energy Ltd Kigali, Rwanda, Marketing Officer - Photovoltaics
Microduino, Los Angeles, CA, Undergraduate Intern
Transcirrus Cloud Software, Durham, NC, Intern
Tufts University, Medford, MA, Electrical Engineering Research Assistant
University of Pennsylvania, Philadelphia, PA, Residential Teaching Assistant

Materials Science and Engineering

Applebee's, Reading, PA, Server
Smilow Center for Translational Research - Soccio Lab, Philadelphia, PA, Lab Assistant
University of Pennsylvania, Philadelphia, PA, Lab Assistant

Mechanical Engineering and Applied Mechanics

Adani, Ahmedabad, India, Senior Trainee
Advanced Technology Corporation, Andover, OH, Senior Technology Consultant
Brinjac Engineering, Philadelphia, PA, Intern
Camp Airy, Thurmont, MD, Camp Counselor
Camp Hillard, Scarsdale, NY, General Counselor
Clearwater Swim Club, Summit, NJ, Head Swim Team Coach
Eat Cake 4 Breakfast Bakery, Brewster, MA, Associate
Geotab, Inc., Oakville, Canada, Hardware Developer/Tester
Glass – U, Philadelphia, PA, Operations and Digital Media
METKA S.A., Athens, Greece, Engineering Department Intern

Mechanical Engineering and Applied Mechanics (continued)

NASA Langley Research Center, Hampton, VA, Robotics Intern
Northern Tier High Adventure, Ely, MN, Canoeing Guide
Par Hawaii Refining, Honolulu, HI, Maintenance Engineering Intern
Public Accountants and Auditors Board, Harare, Zimbabwe, Intern
Salt Lake County, Salt Lake City, UT, Life Guard and Swim Instructor
Schrader Group Architecture, Philadelphia, PA, Researcher
SPAWAR Systems Center Pacific, San Diego, CA, NREIP Intern
University of Pennsylvania - GRASP Lab, Philadelphia, PA, Research Assistant
University of Pennsylvania - GRASP Lab, Philadelphia, PA, Research Assistant
We Make it Personal, Ocean City, NJ, Associate

Networked and Social Systems Engineering

Accenture, Shenzhen, China, Technology Consulting Analyst
Boca Systems, Boca Raton, FL, Technician
ESAP, Philadelphia, PA, Residential Teaching Assistant
Moven, Radnor, PA, Software Engineering Intern
Twitter, San Francisco, CA, Software Engineering Intern

Systems Science and Engineering

Colgate-Palmolive, Piscataway, NJ, Application & Software Development Summer Intern
Copa Airlines, Panama City, Panama, Business Intelligence Analyst
Doppelmayr, La Paz, Bolivia, Intern
I.I.M. S.A.C., Lima, Peru, Developer
Kenny's Corner Ice Cream Stand, North Syracuse, NY, Manager
Let's Yo Yogurt, Howell, NJ, Shift Supervisor
Medsphere Corp USA, Skokie, IL, Consulting Intern
Rovakaira Oy, Rovaniemi, Finland, Intern
Target Tutoring, Miami, FL, Tutoring
Valify Inc., Dallas, TX, Strategic Business Analyst

ENGINEERING DOUBLE MAJORS

Mechanical Engineering and Applied Mechanics & Mathematical Economics

University of Pennsylvania, Philadelphia, PA, Teaching Assistant

Mechanical Engineering and Applied Mechanics & Computer Science

University of Pennsylvania Health System, Philadelphia, PA, Research Assistant

Systems Science and Engineering & Economics

Infineum USA, Linden, NJ, Chemical Engineering Intern

ENGINEERING AND CAS DEGREES

Applied Science – Computer Science & Cognitive Science

Galileo Learning, Berkeley, CA, Technology Instructor

Applied Science – Computer Science & Cognitive Science and Linguistics

University of Pennsylvania, Philadelphia, PA, Research Assistant

Chemical & Biomolecular Engineering and Chemistry

University of Pennsylvania, Philadelphia, PA, Research Assistant

University of Pennsylvania, Philadelphia, PA, Lab Intern

ENGINEERING AND WHARTON DEGREES*

[*Engineering students in the following majors are also pursuing a Wharton degree. Wharton concentrations were not declared when the survey was conducted.]

Bioengineering & Wharton

University of Pennsylvania Health System, Philadelphia, PA, Lab Assistant

Computer Science & Wharton

Akuna Capital, Chicago, IL, Intern

Bombay Gas Company, Mumbai, India, Business Development Intern

Deloitte, Adana, Turkey, Summer Analyst

Electronic Arts, Redwood Shores, CA, Data Science Intern

Essendant, Deerfield, IL, IT Intern

Facebook, Menlo Park, CA, Software Development Intern

GTRACK Technologies, Palo Alto, CA, Software Engineering Intern

Lincoln Financial Group, Philadelphia, PA, Java Developer

NASA Ames Research Center, Moffett Field, CA, Intern

ShopKeep, New York, NY, Technology Intern

University of Pennsylvania, Philadelphia, PA, Research Assistant

University of Pennsylvania, General Robotics, Automation, Sensing and Perception Lab, Philadelphia, PA, Research Assistant

Computer Engineering & Wharton

Fareportal, New York, NY, Product Intern

Materials Science and Engineering & Wharton

American Greetings, Cleveland, OH, Engineering Intern

Mechanical Engineering and Applied Mechanics & Wharton

Fermentec Incorporated, Philadelphia, PA, Research Intern

The Green Program, Philadelphia, PA, Business Development Intern

Systems Science and Engineering & Wharton

City of Boston, Boston, MA, Summer Analytics Fellow

MFS Investment Management, Boston, MA, Summer Intern: Client Risk Monitoring

Principal Financial, Des Moines, IA, Business Analyst Intern