Google

HSI Outreach Newsletter
December 2018

We're back for the last time this semester to keep you informed about what is happening at Google. If you are new to this newsletter, we hope that you find it useful! This edition is packed with developmental opportunities and interviewing tips! We encourage you to share it with other students, members of your departments and organizations.

Open Roles

We think these opportunities could be a great fit - please take a look:
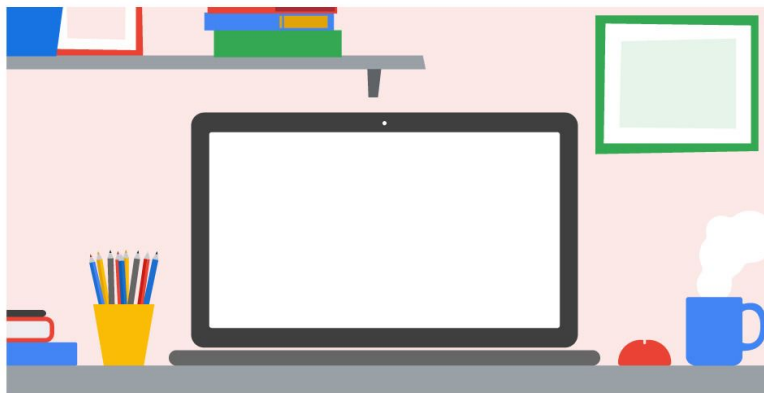
University Graduate Opportunities
Software Engineer (BS/MS), University Graduate
Software Engineer (PhD), University Graduate
Engineering Residency (BS/MS), University Graduate
Cloud Technical Residency Program, University Graduate
gTech, Technical Solutions Consultant University Graduate

Internship Opportunities
Software Engineering Internship (BS) (Deadline December 14th)
Software Engineering Internship (MS) (Deadline December 14th)
Software Engineering Internship (PhD) (Deadline February 8th)

Visit careers.google.com/students for more details.

Whether you're a student or an educator, newer to computer science or a more experienced coder, or otherwise interested in software engineering, we hope there's something for you here in Google's Guide to Technical Development. We've carefully curated a collection of material from many sources, including Google, that you can use to supplement your classwork or direct your own learning.

Foundations of Programming - Reach beyond the basics of coding with these curated resources for programmers who have completed 1-2 computing courses. You'll find three sample paths: a basic (and recommended) one, a problems first path, and one that focuses on testing and debugging. You can also plot your own sequence to suit however and wherever you're learning.

Advanced Programming - On the cusp of graduating? Self-taught to a high level? These resources will let you integrate what you've learned and polish your software engineering skills. Follow our suggested paths or use them in any order you'd like. Along the way you'll learn the tricks of the trade that will help you program more efficiently, and gain experience using open source code and other industry tools.

Cloud Computing - Discover cutting-edge resources for building out your Cloud toolkit, as well as opportunities to apply what you've learned by building apps and deploying services on major providers, including Google Cloud Platform. Travel these paths to explore such topics as developing apps, utilizing infrastructure, and working with data and machine learning in the Cloud.

Coding Interview Questions - Do you have an interview coming up? Check out some of our favorite interviewing questions: Minesweeper and Find the Longest Word,

Applying to Google!

Ready to apply for an internship or a full-time job at Google? Here's what you'll need:
- An updated resume
- A transcript from your university (unofficial is fine)
- In some cases, a cover letter, short essay, or additional information listed in the job description

Focus on your resume
- Your resume is the first piece of information we'll see about you. Here's how to highlight your achievements:
- Align your skills and experience with the internship or job description
- Be specific about projects you've worked on or managed. What was the outcome? How did you measure success?
- If you've had a leadership role in a volunteer organization or at a part-time job, tell us about it. How big was the team? What was the scope of your work?
- Include your GPA, as well as school-related projects or coursework that demonstrate relevant skills and knowledge
- Keep it short: Aim for one page. If there's additional information we need during the hiring process, (like a portfolio), your recruiter will work with you to collect it

Prepare for the interview process
- Once you've submitted your application online, our staffing team will review your resume, transcript, and any supplementary materials
- The next step in the process is a series of interviews—which may be on the phone, via video conference, or in person—to assess your skills
- For technical interviews, practice coding on a whiteboard, in Google Docs, or over the phone. You can find sample coding questions on sites like CodeLab, Quora, and Stack Overflow. The book "Cracking the Coding Interview" is also a good resource

Watch: Example coding interview | Watch: Youtube Live Series | Watch: Virtual career fair

Learn more about our hiring process here

Connect With Google!

Want to stay in touch with Google? Join our Connect with Google program **specifically for students.**

Connect with Google is a virtual program designed to help us stay in contact with you in a meaningful way. Through Connect with Google, we hope to provide you with tailored content and access to opportunities all in one place. We're excited to partner with you throughout your studies, support your learning, help with your technical development and give you more opportunities to participate in the programs that we offer.

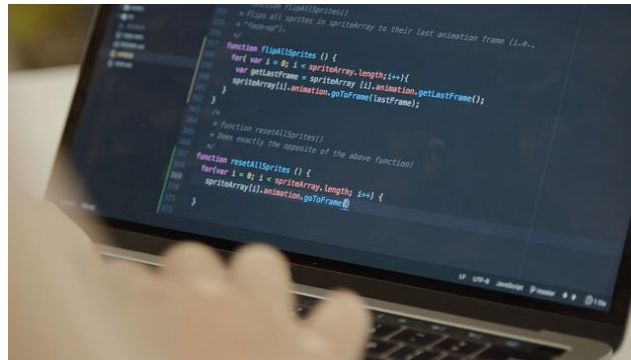Here's what you can expect from the program:
· **Regular email updates outlining ways to get involved with Google**
· **Invitations to events and workshops;**
· **News about Google, our products and the Industry**
· **Online learning opportunities and competitions**

After you join, you'll also receive an invitation to join the G+ community, so you can join the conversation more broadly. This is a great way to be part of a community and build connections with other future technologists.

Curious how you can continue coding in your free time? Never fear, because Aaron Hobson, Code Next Oakland coach and lead curriculum developer, has rallied to assemble a list of opportunities and tools that you can pull from. While geared towards middle and high school students – we've found these resources to be effective for new learners of all ages who are interested in coding, the arts, or just making something with their hands.

Here is a list of free (or in some cases, "free trial") tools that you can use if you wish to learn programming on your own. They are organized into arbitrary "levels" in order to help you determine where you might want to start, based on experience.

At Google, we believe information should be universally accessible. Our education and scholarship programs aim to inspire and help students become future leaders in computing and technology by breaking down the barriers that prevent them from entering these fields. If selected, scholarship recipients will each receive a $10,000 scholarship for the 2019-2020 academic year and be invited to attend the annual Google Scholars' Retreat at the Googleplex next summer.

Women Techmakers Scholars Program (formerly known as the Google Anita Borg Memorial Scholarship) is open to current undergraduate or graduate students who will be studying at a university in the United States or Canada for the 2019-2020 academic year. We strongly encourage people who identify as female to apply. **Deadline: December 6, 2018**

Generation Google Scholarship is open to current undergraduate or graduate students who will be studying at a university in the United States or Canada for the 2019-2020 academic year. We strongly encourage students from historically underrepresented groups, including Black/African American, Hispanic/Latino, American Indian, or Filipino/Native Hawaiian/Pacific Islander, to apply.
Deadline: December 6, 2018

Google Lime Scholarship is open to current undergraduate or graduate students with disabilities who will be studying at a university in the United States or Canada for the 2019-2020 academic year.
Deadline: December 9, 2018

For questions and complete details on all of our scholarships, please visit g.co/scholarships.