

COMP E. GATOR

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EDUCATION

Bachelor of Science, Computer Engineering

May 2028

University of Florida | Gainesville, FL

Certificate: Artificial Intelligence

Relevant Coursework: Programming Fundamentals, Digital Logic, Computer Organization, Data Structures, Circuits 1

SKILLS

Programming Languages: Python, C++, Java, MATLAB (basic)

Tools & Technologies: Git, Linux/Unix, Visual Studio Code, Arduino

Concepts: Object-Oriented Programming, Embedded Systems, Circuit Analysis, Data Structures, Algorithms

PROJECT EXPERIENCE

Autonomous Line-Following Robot | Intro to Engineering Design Project

Aug 2024 – Dec 2024

- Programmed Arduino-based robot using C++ and infrared sensors to follow marked paths with 20% greater accuracy than baseline design
- Collaborated with a 4-member team to test prototypes and present final results to a faculty review panel, earning top feedback for precision and innovation

Personal Website Portfolio | Independent Project

May 2024 – Aug 2024

- Designed and deployed a personal portfolio using HTML, CSS, and JavaScript, improving project visibility for potential recruiters.
- Implemented GitHub Pages for version control and hosting, ensuring **100% uptime and responsive layout across devices**.

MICRO-INTERNSHIPS & VOLUNTEERING

Process Automation Project | Parker Dewey Micro-Internship | Remote

Jul 2025 – Aug 2025

- Automated repetitive spreadsheet calculations using Python, reducing manual processing time by 40%.
- Tested and documented automation steps to ensure usability for future non-technical team members.

AI & Data Analysis Project | Parker Dewey Micro-Internship | Remote

May 2025 – June 2025

- Developed a Python script using basic machine-learning libraries to analyze 2,000+ data points and identify patterns in project efficiency.
- Cleaned and visualized data with Excel and matplotlib, improving reporting accuracy by 15% for client decision-making.
- Collaborated with a small virtual team to deliver final insights and recommendations in a concise slide deck to the employer.

IT Volunteer | UF Health Shands Hospital | Gainesville, FL

Jan 2025 – Present

- Assisted hospital staff with troubleshooting and system setup, supporting a 15% reduction in ticket backlog during peak patient periods
- Coordinated with IT team to install and update software across 20+ staff workstations, improving hardware reliability

INVOLVEMENT & LEADERSHIP

SwampHacks X Hackathon – Participant

Feb 2025

- Collaborated on a 24-hour coding challenge developing a prototype app that streamlined campus event tracking

UF AI Club – Member

Jan 2025 – Present

- Participate in coding workshops and AI model-building projects focused on predictive analytics.
- Contributed to a semester challenge improving **image recognition accuracy by 10%**.

UF Society of Women Engineers (SWE) – Member

Aug 2024 – Present

- Attend professional development events and mentor sessions to enhance teamwork and technical communication skills.