Caleb O'Malley

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Education

University of Florida | Gainesville, FL   Graduated Spring 2023

Bachelor of Science in Computer Engineering | **GPA: 3.50**

Relevant Coursework

- Data Structures and Algorithms, Programming I and II, Operating Systems, Intro Software Engineering
- Senior Capstone Design I and II, Digital Design, Microprocessor Applications, Databases I

Skills

Skill Level	Languages	Technologies + Frameworks
Proficient	JavaScript, HTML, CSS, C++	Git, Linux, Figma
Intermediate	Java, C#, SQL	React, Express, Node
Familiar	Python, Rust, Python	Docker

Experience

Technical Lead and Webmaster | Irish Electrical Service, Naples, FL   Summer 2019 to Present

- Developed a new company website using my knowledge of HTML and CSS.
- Interacted with customers daily, both in person and over the phone.
- Collaborated as part of the office team to troubleshoot and resolve technical issues.

CS Education Researcher| Computational Reasoning Group, UF   Fall 2018 – Spring 2023

- Navigated a large code base daily, controlling environments using Docker within VSCode
- Met with project team on a weekly basis, iterating on features within the project.
- Presented findings at multiple international CS Education conferences.

Real-Time Data Collection Specialist | US Census Bureau, Gainesville, FL   Summer 2020

- Broke the company record for data entry per hour in a team of 17 other data specialists.
- Collected mission-critical data points and overcame daily language barriers using my problem-solving skills.

Projects

Portfolio Website | HTML, CSS, JavaScript   Currently Maintained

- Rapidly designed and hosted my own portfolio website, complete with animate-on-scroll

Senior Design Capstone Project | Embedded C++ on Custom PCBs   Spring 2023

- Collaborated directly with other engineers for over a year using Agile / Scrum methods
- Rapidly adopted new technologies and integrated them into the project
- Designed and fabricated a completely modular video game controller with custom PCBs

Spotify Six Web App |MERN Stack, Spotify API   Summer 2020

- Used Trello and Git to effectively collaborate remotely during COVID
- Participated in both front and back-end development during the project lifecycle

Climate Change Web App | Node, Express, Oracle SQL Database   Fall 2021

- Populated and queried a large database of climate change data using SQL
- Leveraged JS libraries to dynamically animate data visualizations

Leadership

ACE Secretary | UF Association of Computer Engineers   Spring 2020 – Spring 2021

- Worked with executive board and other chairs to plan and deliver *10 events*

ACE Mentorship Chair | UF Association of Computer Engineers   Spring 2019 – Spring 2020

- Encouraged and facilitated professional, academic, and social growth of new members