

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, AI for Games
- Computer Engineering Design I and II, Digital Design, Microprocessor Applications, Digital Logic

Skills

<i>Skill Level</i>	<i>Languages</i>	<i>Technologies + Frameworks</i>
<i>Proficient</i>	C, C++, JavaScript, HTML, CSS	Git, Linux, Figma
<i>Intermediate</i>	Python, C#, VHDL, Rust	MERN Stack
<i>Familiar</i>	MATLAB, Java	Docker

Projects

Prototroller Gamepad | Complete Embedded System Design

Fall 2022 – Spring 2023

- Collaborated for over a year to create a functioning **modular video game controller**
- Created **USB Drivers** for communication between multiple devices in real time
- Designed multiple **PCBs** and iterated on these designs through rigorous testing
- Used **Git** and **Github** version control to facilitate modular feature development

Personal Website | HTML and CSS, Bootstrap

Fall 2021

- Quickly designed and hosted a personal resume website for employers to get a glimpse of who I am

Spotify Six | React, Node, Express, Spotify API

Summer 2020

- Developed a **React** app to calculate and display the degrees of collaboration between artists
- Collaborated with team members using **Git**, **GitHub**, **Trello**, and weekly standups

Automation | Various APIs, JavaScript

Fall 2021

- Developed and deployed autonomous solutions to tedious tasks:
 1. **Jeopardy! Twitter Bot** posts a daily random Jeopardy clue using two different APIs
 2. **PC Order Bot** checked my delivery tracking daily and emailed a screenshot to me

Experience

Researcher | Computational Reasoning Group, UF

Fall 2018 – Spring 2023

- Produced data visualizations using Tableau and Excel to
- Published and presented my findings virtually at international conferences

Assistant Office Manager | Irish Electrical Service, Naples, FL

Summer 2019 & 2021

- Created and published an official company website to attract new customers
- Completed accurate estimations and proposals for future work

Census Enumerator | US Census Bureau, Gainesville, FL

Summer 2020

- Developed communication and interpersonal skills by talking with local Gainesville residents
- Achieved the highest completed cases-per-hour in my team of 17 other enumerators

Leadership

ACE Secretary | Association of Computer Engineers

Spring 2020 – Spring 2021

- Provided advice and insight to the Art and Marketing Chairs

ACE Mentorship Chair | Association of Computer Engineers

Spring 2019 – Spring 2020

- Worked with executive board and other chairs to plan and deliver *10 events* for ACE members
- Encouraged and facilitated professional, academic, and social growth of new members