

# Caleb O'Malley

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## Education

**University of Florida** | Gainesville, FL  
Bachelor of Science in Computer Engineering | **GPA: 3.70**

Graduating Fall 2022

### Relevant Coursework

- Data Structures and Algorithms, Programming I and II, Human-Computer Interaction
- Microprocessor Applications, Operating Systems, Databases I, Intro Software Engineering

## Skills

Skill Level	Languages	Technologies + Frameworks
Proficient	C++, C, JavaScript	Git, Node.js, Figma, React
Intermediate	Java, Rust, MATLAB, Python	Express, MongoDB, Unity
Familiar	C#, SQL, VHDL	OracleDB, Atmel Studio, Quartus, Waveforms

## Projects

**UF Virtual Tours** | Currently In Development Spring 2022

- Employs context-specific conversational AI to guide you through the UF campus
- Fully customizable tours allow for a tailored experience on mobile devices

**Spotify Six** | React, Node, Express, Spotify API Summer 2020

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

**Climate Change Web App** | React, Express, Oracle DB Spring 2020

- Deployed a data-driven web application presenting global climate change data
- Queried data with **SQL** and visualized it interactively with **Chart.js**

**Node.js Automation** | Various APIs Fall 2021

- Developed and deployed autonomous solutions to tedious tasks:
  1. **Jeopardy! Twitter Bot** posts a daily random clue using two APIs
  2. **iBUYPOWER Order Bot** checks my order daily and emails results through a headless browser

## Experience

**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

**Research Assistant** | Computational Reasoning Group, UF Fall 2018 – Fall 2020

- Investigated factors of success and failure for students starting learning to program
- Presented virtually at **ASEE 2020, ACE 2020, and SIGCSE 2020**

## Leadership

**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

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

- Provided advice and insight to the Art and Marketing Chairs
- Managed club resources and keep careful notes at meetings