Michael Hayworth, Software Engineer

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Education

B.S. in Computer Science, Minor in Educational Technology, University of Florida, Gainesville, FL

Expected Graduation: May 2024 | GPA: 4.00/4.00 | Member of University Honors College

Relevant Coursework and Projects

- Movie Marathon Project | Data Structures and Algorithms | Fall 2021
  - Applied graph principles to a dataset of 150,000 movies to build movie marathons from Dijkstra's Algorithm, A* Search, and Breadth-First Search in C++
- Open Source and Engineering Projects | Introduction to Software Engineering | Spring 2022
  - OSS Project: Added Color Customization to UI design in C++ for Mumble, an OSS for voice chat
  - Due Desk: Led as Product Manager of a Python-based desktop app for students to reduce procrastination with GUI made with the pyqt5 library; led daily scrums and development process
- Documentation Open Source Project | Enterprise Software Engineering Practices | Fall 2022
  - Contributed to Error Handling API Documentation of Requests Python Library and led a code review for a fellow classmate's contribution

Professional Experience

Full Stack Software Engineer Intern, MetroTech IT Services, Clearwater, FL | March 2022 – August 2022

- Developed and deployed company ticket dashboard for 1,000 monthly tickets
- Integrated display for active tickets using Google API as member of scrum team
- Worked with full technology stack including Linux server, Docker containers, SQL Database, Go backend, and JavaScript (jQuery), HTML, and CSS (Bootstrap) front end
- Optimized API error handling to improve system availability from 3 nines to 4 nines

Mathematics Instructor, Mathnasium of East Lake, Palm Harbor, FL | January 2020 – January 2021

- Tutored up to 4 students grades 6-12 at once in algebra, trigonometry, and calculus

Development Skills

- **Proficient:** C++, Python, AGILE (Scrum), Docker, Git/GitHub
- **Experienced:** Go, Java, Linux, JavaScript/jQuery, HTML, CSS/Bootstrap
- **Familiar:** MATLAB, SQL Databases (PostgreSQL)

Extracurricular Activities and Leadership

Outreach Officer, Society of Software Developers, University of Florida | August 2020 – Present

- Tripled active membership to 60 by recruiting across 6 different university courses
- Develop weekly one hour-long lectures on software engineering topics
- Manage the announcement of club events to 100 active club members
- Lead collaboration efforts with other clubs to create joint events reaching attendance over 200

Culinary Chair, Delta Chi Fraternity, University of Florida | January 2022 – Present

- Manage meal plan payments for 60 members
- Collaborate with food service industry to ensure satisfactory meal preparation for 9 meals weekly

UF Swamphacks, Hackathon, University of Florida | January 2022

- Submission: https://devpost.com/software/comparing-salaries-bot

Scholarship Recipient, Gartner Group Information Technology Science, University of Florida | April 2022