Michael Georgariou III

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Education

CALIFORNIA POLYTECHNIC STATE UNIVERSITY, SAN LUIS OBISPO Graduation Date: June 2021
Bachelor of Science in Computer Engineering GPA: 3.48

Relevant Coursework:

- *Previous*: Systems Programming, Operating Systems, Object-Oriented Programming, Computer Design and Assembly Language, Computer Architecture, Discrete Structures, Design/Analysis of Algorithms
- *Planned*: Intro to Security, Computer Networks, Implementation of Operating Systems

Experience

Software Engineer Intern | Hewlett-Packard Enterprise (Aruba) June 2020 – Current

- Assisted in creation of new switch mode to allow for hub-like functionality
- Wrote feature tests to automate testing of this new mode and ensure no regression occurs

June 2019 – August 2019

- Created an API for multiple daemons to access new column data produced by my team
- Refactored all references in source code to certain column data to use the newly written API

Lead Computer Engineer | Sea Sweepers Underwater Robotics June 2014 – August 2017

- Oversaw and contributed to all software and electrical components of the vehicle
- Implemented new systems for vehicle control and data transfer through serial communication

Projects

Minls and Minget (C) June 2020

- Created a filesystem reader for Minix, for use outside of the Minix operating system
- Supported functions to list out the contents of a directory and print the contents of a file

MSP432 Weather Station (C) May 2020

- Wrote libraries for four different weather sensors for use with the MSP 432 microprocessor
- Implemented these libraries to display all the data on an LCD screen

The Otter XADC (Verilog and C) March 2020

- Designed a microprocessor from scratch in Verilog to run assembly and C code on
- Created a library to allow use of the given hardware's XADC chip with our microprocessor in C

The Simple, Homemade Unix Shell (C) March 2019

- Built a system which handles signals, child processes, and pipelines
- Handled current working directories and the traversal of directories

Skills

- **Proficient Programming Languages:** C, Python
- Experience with: Java, Assembly Language, VHDL, Verilog, C++, Arduino IDE
- Proficient with: Git, Unix, Vim, Wireshark, Scapy, VSCode