Aidan Venckus

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Education

University of California, Santa Cruz   Expected Graduation: June 2022
Bachelor of Science in Computer Engineering (GPA 3.41)
Concentration in Robotics and Control & Planned Minor in Electrical Engineering

Work Experience

<u>UCSC - Computer Systems and Assembly Language</u> - *Tutor & Grader*   September 2019 - March 2021
- Assisted students in learning computer system fundamentals including computer logic, assembly language, data path, various data types, git, multimedia logic, ascii, and much more.
- Guided students through the design, development, and implementation of assembly language in class assignments.

<u>UCSC - Embedded Systems and C Programming</u> - *Tutor & Grader*   January 2021 - March 2021
- Aided in teaching an introduction to the C programming language as a means for controlling embedded systems, In addition to tutoring coursework, helped students develop and debug complex C programs.

<u>Merrill Pottery Cooperative</u> - *Manager (Volunteer)*   September 2018 - Winter 2020
- Volunteered at the student-run ceramic studio that is on campus, responsibilities included record keeping, teaching others, firing kilns, safety management, emailing, and other administrative duties.

Skills

C / C++	Python	Assembly Language
Matlab	Algorithms/Data Structures	FPGA using Verilog
Embedded Systems	Soldering / Circuitry	Solidworks / Fusion360
PostGreSQL	3D printing (Ender 3)	Git, Bash, Command Line

Microcontrollers including the Uno32, Raspberry Pi, and PSoC boards

Relevant Coursework

- <u>Microprocessor System Design</u> *(A)* - Design and use of microprocessor and microcontroller architecture, bus and memory organization, interrupts, peripheral devices, etc in C on PSoC.
- <u>Logic Design</u> *(A-)* - Boolean algebra, logic minimization, finite-state machines, sequential circuits, introduction to system level design, etc in Verilog on FPGA.
- <u>Introduction to Algorithm and Data Structures</u> *(A)* - Intro to abstract data types and algorithms; linked lists, stacks, queues, hash tables, trees, heaps, and graphs, etc in C.

Leadership Positions and Activities

Member of the UCSC CubeSat Club   Winter 2021 - Present
- My responsibilities include working with the On-Board-Computer subteam.

Member of the UCSC Amateur Radio Club   Spring 2019 - Spring 2020
- Technician license for HAM radio (Callsign: "KN6CFM")

Member of ACE - Academic Excellence Program   Winter 2018 - Fall 2019
- ACE is an academic support program focused on promoting academic excellence via group mentoring and peer study groups.

Co-Captain of Surf Team and ran for the cross country team for 2 years in High School
Lithuanian Boy Scouts for 14 years and position as a Scout Leader