Aidan Venckus

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Education

University of California, Santa Cruz   Expected Graduation: June 2022
Bachelor of Science in Computer Engineering (GPA 3.38)
Concentration in Robotics and Control & Planned Minor in Electrical Engineering

Work Experience

UCSC - Computer Systems and Assembly Language - *Tutor & Grader*   September 2019 - March 2021
- Topics Covered: Computer Logic, Assembly, Data Path, Binary, Hexadecimal, Octal, signed/unsigned binary, Git, Multimedia Logic, ascii, and much more.

UCSC - Embedded Systems and C Programming - *Tutor & Grader*   January 2021 - March 2021
- Introduction to the C programming language as a means for controlling embedded computing systems.
- In addition to tutoring coursework, helps students develop and debug complex C programs.

Merrill Pottery Cooperative - *Manager(Volunteer)*   September 2018 - Winter 2020
- Helped the student-run ceramic studio that is on campus.
- Responsibilities include: record keeping, teaching others, firing kilns, safety management, emailing, and other administrative duties.

Skills

C Programming	Python Programming	Algorithms and Data Structures
FPGAs	Verilog Programming	Soldering + Circuit Basics
SolidWorks Basics	Fusion360 Basics	MPLABX + Embedded Systems
PostGreSQL	3D printers (Ender 3)	Wordpress + Domains
LaTeX	Git, Bash, and Command Line	

Relevant Courses to be taken (before Summer 2021)

- Signals and Systems - Analysis of continuous-time signals, frequency domain analysis using the Fourier series & Fourier transform, and more.
- Microprocessor System Design - Design and use of microprocessor and microcontroller architecture, bus and memory organization, timing issues, interrupts, peripheral devices, and more.

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 boy scout leader
CPR Certified