

Aidan Venckus

Los Angeles, California / Santa Cruz, California

avenckus@ucsc.edu / 310-654-3396 / [linkedin.com/in/aidan-venckus](https://www.linkedin.com/in/aidan-venckus) / aidanvenckus.com

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

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

Assembly Language Prog.

Algorithms and Data Structures

Microcontrollers

FPGA in Verilog

Soldering + Circuitry

SolidWorks

Fusion360

MPLABX + Embedded Systems

PostgreSQL

3D printing (Ender 3)

Wordpress + Domains

LaTeX

Git, Bash, and Command Line

Relevant Coursework

- Microprocessor System Design (A) - Design and use of microprocessor and microcontroller architecture, bus and memory organization, interrupts, peripheral devices, etc in C on PSoC.
- Logic Design (A-) - FPGA's, Boolean algebra, logic minimization, finite-state machines, sequential circuits, introduction to system level design, etc in Verilog on FPGA.
- Introduction to Algorithm and Data Structures (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