Danielle Laganiere

Glendale, CA | Santa Cruz, CA | daniellelaganiere@gmail.com | (661) 313-1906
https://www.linkedin.com/in/daniellelaganiere

Education

University of California, Santa Cruz
Bachelor of Science - Robotic Engineering   *Expected June 2022*

Professional Work History

Nuleep - Software Engineering Intern   *July 2021 - September 2021*
- Tested completed user stories and created bug reports with reproduction steps to capture every action and its result to assist the development lead to investigate known issues.
- Managed the planning, implementation, and delivery of an AI Personalizer using Azure's Cognitive Services to personalize user experiences by suggesting events and learning material based on their level of engagement with existing content to increase sales of services.
- Worked in an Agile development team to deliver features through bi-weekly iteration cycles.

UCSC Group Tutor - Programming Abstractions: Python   *March 2021 - September 2021*
- Ensured students completed labs successfully with the knowledge to recreate continued results.
- Instructed students in fundamental object-oriented programming concepts, as well as developing and debugging coding projects, to create a strong software development foundation.

UCSC Undergraduate TA - Data Structures and Algorithms   *September 2020 - March 2021*
- Instructed students in course concepts related to data structures and algorithms, and helped brainstorm and develop complex programs in C/C++ to utilize these ideas.
- Provided additional resources and support in topics such as linked lists, stacks, queues, hash tables, trees, heaps, and graphs.

School Projects

Mechatronics Capstone   *September 2021 - December 2021*
- Worked with microcontrollers and various circuit hardwares in combination with embedded system programming to develop a complex autonomous robot to complete standardized tasks.
- Worked closely with a revolving group of peers from various academic backgrounds to maximize innovation and effectiveness.
- Incorporated the project's big picture into team member goal development and implementation, as well as project managing to ensure continued progress, communication, and success.

Skills

C / C++	Embedded Systems	Python	Javascript
Microcontrollers	Data Structures	Algorithms	Logic Design
React	Tailwind	HTML / CSS	Machine Learning Models

Leadership Positions & Certifications

- Communication Lead of the On Board Computer subteam of UCSC SlugSat team, which has been building a small satellite from the ground up over the course of 4+ years.