

SHANE MATSUSHIMA

PROFILE SUMMARY

Seeking opportunities in the engineering field. Co-Captain for 'Iolani School robotics team with 2 year experience in mentoring while having 6 year experience with team dynamic, programming, and mechanical design. Proficient project manager with a knowledge in Java, C, C++, Arduino, and Google Script. Works effectively to communicate with team members to ensure project deadlines are met.

PROFESSIONAL SKILLS

- Programming - Java, C, C++, HTML, Arduino
- Project Manager/Lead
- Trouble Shooting
- Data Collection
- Great Active Listener

CONTACT

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WORK EXPERIENCE

Engineering Intern

Navatek LLC (June 2019 - August 2019)

- System control programming, in C++, for amphibious vehicles
- Program debugging and testing for device communications
- Designed structure for impact testing of drop stitch panel in the water

Volunteer

Alluvion Inc (June 2018-August 2018)

- Built greenhouse to house plants
- Set up 50-100 orders for distributors
- Planted and maintained thousands of plants for Christmas season

EDUCATION

University of Portland

B.S. Computer Science (2023)

'Iolani School

High School Diploma (2019)

PROJECTS

Ala Wai Temperature Monitoring System

- Collects temperature data from the Ala Wai and transmits the collected data to a google sheet for scientists and environmentalists to use.
- Project Manager

Rooftop Garden Monitoring

- Collects temperature of a aquaponics system and has a built in automatic fish feeder that can be manually activated as well as manual inputs for feeding times.
- Project Manager

Ala Wai Catamaran

- A catamaran that distributes buoys at locations specified by the user. These buoys collect temperature, pH, conductivity, and dissolved oxygen, then relays the information into a website where all data points can be seen.
- Program Lead
- Buoy Data Collection and Data Organization Lead