

Travis Fujimoto

[2627 Arnold Way] | [Corvallis, OR 97330] | [808-348-8063] | [fujimtra@oregonstate.edu]

Education

Oregon State University

GPA: 3.91

- Senior year, in good standing
- Honor Roll
- Majoring in Mechanical Engineering, currently in pro-school
- Minor in Aerospace Engineering

Iolani Schools – Graduated high school 2014

Experience

[Undergraduate Research Assistant] | [Combustion Ignition Radiation Energy Lab]

[Rogers Hall] [Corvallis, OR]

Oct 2017 – Current

- Assist in smoldering burn research for Oregon fire department
- Monitor and run smoldering burn tests
- Collect material and data samples

[Teacher's Assistant] | [Oregon State University School of EECS]

[1148 Kelly Engineering Center] [Corvallis, OR]

Jan 2016 – Current

- Hold office hours, provide academic support for students
- Grading quizzes, labs, tests
- Teach recitation style weekly labs on class material
- Instruct on lab equipment and supervise use in lab setting

[Mechanical Engineer Intern] | [Makai Ocean Engineering Inc.]

[41-305 Kalanianaʻole Hwy.] [Waimanalo, HI]

June 2017 – Sept 2017

- Assist in the design, production and testing of marine vehicle related products
- Research and test fiber optic cable material strength
- Manufacture and build project components

[Project Engineer Intern] | [Alan Shintani Inc.]

[94-409 Akoki St.] [Waipahu, HI]

June 2016 – Sept 2016

- Estimate plausible projects, and write quotes
- Assist in project management (scheduling, submittals, etc.)
- Correspond with project owner, designer and subcontractors

[Student Helper II] | [Department of Transportation, Airports Division, Engineering]

[400 Rodgers Boulevard, 7th Floor] [Honolulu, HI]

June 2015- Sept 2015

- Audited project budgets and confidential documents
- Assisted engineers in project management and office tasks

Service

- Boy Scout of Troop 664 of Aloha Council 2008 - 2014
 - Eagle Scout Sept 2014
- American Institute of Aeronautics and Astronautics Sept 2016- Current
 - OSU Student Member
 - 2017-18 ESRA Team Logistics Manager
 - 2017-18 ESRA 30k Propulsion Subteam
- Tripoli Rocket Association Member Oct 2017- Current

Projects

30k Experimental Sounding Rocket Current

Payload rocket for thirty thousand feet altitude

- Senior capstone project, propulsion sub team
- Design, build and test of propulsion system
 - Pressure vessel, Propellant, Insulation, Nozzle

Undersea Cable Handler and Compass Summer 2017

System to monitor and control cable tension and position during release and retrieval

- Manufacture and maintain handler and compass system components
- Calibrate and test fiber optic cable compass

Satellite Antenna Buoy and Cable Compliance System Summer 2017

Buoy connected to iridium satellite and ocean floor cable

- Manufacture and assemble buoy components
- Test fiber optic cable fatigue strength under varying conditions
- Test buoy satellite connectivity with response to ocean conditions

Ping Pong Ball Robot Winter 2017

Robot to drive, retrieve ball, climb stairs and shoot ball

- Design, build and test robot drive, controls, launch and pick up systems
- Manufacture robot components