

Stephen Yamasaki

steyamasaki@gmail.com | 425-463-5487

Education

Oregon State University – B.S. in Mechanical Engineering

May 2025

Skills

Software: Siemens NX, Onshape, Solidworks CAD, Microsoft Office, Adobe Illustrator, Adobe Photoshop

Programming Languages: MATLAB, Python, Java

Experience

Undergraduate Research Assistant, Oregon State University

Sep 2021 – Apr 2025

- Designed and edited liquid sodium cooling systems using Siemens NX
- Tested, reconfigured, and maintained thermal hydraulic test facilities
- Analyzed critical heat flux in nuclear reactor cooling by writing MATLAB code
- Constructed test apparatus and conducted experiments to test accuracy of precision optical sensors during fluid flow and to investigate fuel dispersal in the event of ruptured cladding

Product Designer, CymaSpace

May 2025 – Aug 2025

- Refined the design of a tactile puzzle meant to give members in the deafblind community an immersive experience
- Coordinated with members of the deafblind community to ensure puzzle is logical and satisfying to solve.
- Designed parts for FDM printing to improve the surface finish, assembly, and final product of 3D printed components.

Mechanical Engineering Sub-team Lead, Oregon State University

Sep 2025 – Apr 2025

- Implemented FDM printed mounts for LIDAR system
- Coordinated with electrical engineering and computer science sub teams to ensure designed components accounted for project needs

Leadership Experience

Boy Scout Youth Leader

2012 – 2019

- Created and executed lesson plans for boys of ages 10-14 in scouting skills such as cooking, tying knots, and general outdoors skills
- Served as a role model and leader to younger scouts, managing outing groups of up to 30-40 boys
- Learned and applied how to work in and lead a team. Managed communications of a 100+ person Boy Scout troop