

Alexis Wong

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Education

University of Washington

Materials Science and Engineering

Seattle, WA

Expected June 2027

Projects

Solo Project: 3D-Printed Mech:

- Created a detailed assembly of a 12 inch tall shelf-size mech model in Solidworks
- Tested ball/socket joint tolerances to ensure full functionality before 3d-printing full-scale model
- Finished model by sanding + hand painting for an aesthetic final product

Ongoing: Adhesives Design, Surface Finishing:

- Collaborated with Boeing mentors and project members to design an experiment involving a given adhesive
- Aimed to finish various substrates in a way such that the given adhesive will hold as much weight as possible

Experience

YMCA:

Camp Counselor

Seattle, WA

June 2024 - Dec 2024

- Collaborated with coworkers to guide 50+ kids through various outdoor + indoor activities
- Assisted with daily camp setup and breakdown
- Addressed parent concerns and communicated updates in a timely manner

Yifang Tea:

Barista

Seattle, WA

June 2023 - Aug 2023

- Optimized operations during rush hours, ensuring timely prep of drinks and ingredients
- Executed transactions quickly and accurately in high-pressure settings
- Resolved customer questions to ensure satisfactory experiences

Team Read:

On-Site Leadership Role

Seattle, WA

Oct 2022 - Aug 2023

- Mentored team of 20+ tutors, resulting in effective 1:1 learning for students
- Led biweekly post-shift meetings, resolving instructional and administrative concerns from staff
- Spearheaded implementation of new learning activities leading to greater student engagement

Skills

- **Working knowledge of Java, Python, Solidworks**
- **Experience in the following:**
 - **Microscopy & Imaging:** SEM and optical microscopy, XRD/EDS
 - **Spectroscopy:** FTIR, UV-Vis
 - **Thermal Analysis:** TGA, DSC
 - **Mechanical Testing:** Hardness testing, Stress-Strain Analysis
 - **Materials Processing:** Chemical Etching, Investment Casting