

# Alexis Wong

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## Education

**University of Washington**

Materials Science Engineering, 3.2 GPA

**Seattle, WA**

Expected June 2027

## Projects (<https://alexis-kw.github.io/Website/>)

### 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

- Goal: Collaborate with mentors and other project members to create an adhesive that will hold 5lb of weight

## 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:

WA

Seattle,

#### Barista

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:

WA

Seattle,

#### On-Site Leadership Role

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 and Python**
- **Proficient in 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