

# Ty Snyder

Tysnyder@berkeley.edu | 1(916)755-9685 | Berkeley, CA | linkedin.com/in/tyler-snyder1

---

## EDUCATION

---

### University of California, Berkeley

May 2028

*Desired Major - Mechanical Engineering*

*GPA: 3.54*

**Relevant Coursework:** Foundations of Signals, Circuits & Devices, Solid Mechanics, Dynamic Systems & Feedback Controls

## WORK EXPERIENCE

---

### Intech Mechanical

Roseville, CA

*BIM Intern and Addon Programmer*

January 2023 – August 2025

- Collaborated with a team of 9 to model HVAC and plumbing systems in Revit for upcoming construction projects.
- Produced and delivered detailed drawings to field and shop teams for manufacturing and installation.
- Solo developed a custom C# addon from scratch to automate repetitive modeling tasks, improving team efficiency.
- Remake existing or broken addons to save costs and make them more user-friendly, effective addons.

### C88C Computer Science Mentor

Berkeley, CA

*Tutor and Mentor*

January 2025 – May 2025

- Taught a small group how to program in Python and SQL.
- Worked on the proofreading team, where I helped check for errors and make sure the problems were relevant to the current content.

## LEADERSHIP & INVOLVEMENT

---

### Combat Robotics at Berkeley

Berkeley, CA

*Project Manager*

June 2025– Present

- Assist returning members in idea generation, team forming, and the manufacturing of robots.
- Manage budget allocation and timelines to get to competitions.

### Open Cal Research Lab

Berkeley, CA

*Undergrad Researcher,*

August 2025 – Present

- Help design an open-source Computation Axial Lithography 3d printer using the knowledge gained through research efforts.
- Lead CAD organization and help design the electronic subsystem.

## Projects

---

- Quadraped V2 (Personal) - Current
- Combat Robotics 30Lb named Malware(Team) - 2025
- Robot quadraped (Personal) - (2023 - 2024)
- 2112A Vex Robot Competition Captain/Founder (Team) - (2022 - 2024)
- Autonomous GPS-driven RC car (Duo) - 2023
- Modify RC boat to automatically drive with GPS and send data to on-land server (Team) - 2022

## SKILLS

---

**Software:** Autodesk Fusion, Autodesk Workflow Automation, Revit, C#, Python, SQL, Java

**Communication:** Student Coaching, Team Leadership, Technical Documentation, Public Speaking

**Technical:** Mechanical Design, HVAC & Plumbing Systems, Sensors, Robotics, Automation