

Ashley Kaller

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EXPERIENCE

CSULB Machine Shop

Long Beach, CA

Assistant

2025-Present

- Maintenance and operated machines like Band Saws, Mills, CNC routers, Lathes, and 3D Printers
- Taught senior design students how to use machines and hand tools for their projects
- Machined parts for professors that were used as test materials
- Supported Machine Shop Technicians in any tasks appointed to me

Long Beach Lunabotics - CSULB

Long Beach, CA

Co-Mechanical Lead

2025-Present

- Oversee the mechanical design and development of the team rover
- Coordination amongst mechanical subsystems to ensure that deadlines are met with quality and precision
- Cross-functional collaboration with other subsystem leads to effectively ensure a successful rover
- Make critical decisions on system architecture, design choices, and technical solutions
- Manage and critique CAD parts that would be implemented into the latest assembly versions

IDEA Center

Ventura, CA

Mentor and Machine Technician

2022-2025

- Raised funds to open a permanent makerspace that serves the community and school district
- Designed and prepped store front to house makerspace
- Advisor for 3D printers, lasers, waterjets, CNC machines, and associated softwares
- Taught multiple design and manufacturing classes to teachers and students.

STEMbassadors Inc.

Ventura, CA

Machine Assembly Technician and Outreach

2018-2025

- Hosted annual professional development that taught K-12 teachers industry grade STEM technologies
- Provided insight on how to integrate STEM technologies into the required district curriculums.
- Design and assembled technology to incorporate in the classroom setting
- Across 5 school districts, 30 teachers were fitted with STEM technologies that impacted their teachings

COVID-19 Project

Ventura, CA

Face Shield (PPE) Donation

2019-2020

- Manufactured, assembled, and donated face shields to first responders, hospitals and clinics
- Distributed PPE among 4 continents and 9 countries
- Approximately 20,000 face shields produced

Hanyang University International Summer Program

Seoul, South Korea

Study Abroad Student

Summer 2025

- Completed advanced coursework in numerical analysis; computational techniques to real-world problems
- Developed cross-cultural collaboration and leadership skills through engagement with international peers

SKILLS & AWARDS

Skills:

Onshape, Solidworks, Manufacturing, Shop Tools, Operating CNC Machines, Laser Cutters/Engravers, 3D Printing, Teamwork and Leadership, Microsoft Office

Awards:

PIE Award, National Honor Society, California Scholarship Federation, Lionel Bromberger Award

EDUCATION

California State University, Long Beach

Long Beach, CA

Mechanical Engineering

Expected Graduation Date: 2027

Foothill Technology High School

Ventura, CA

Graduation Date: 2023