

EXPERIENCE

Stanford Social E-Lab, Palo Alto, CA

Design Lead (Summer 2022)

- Piloted the design, production, and testing of an educational gardening kit and curriculum in collaboration with a local food-equity non-profit.
- Produced over 300 kits for a successful summer pilot program and facilitated the first sale to a 5th-grade classroom.

Yale Center for Engineering Innovation & Design, New Haven, CT

Product Lead (March 2020 - August 2021)

Co-founded the Projects-to-Products Program, an initiative aimed at transforming successful student projects into commercially available products.

- Spearheaded the end-to-end product development process, encompassing PCB design, code development, iterative enclosure design, and user testing.
- Led weekly meetings with vendors in Shenzhen, China, to oversee the production of the initial 10,000 units of a medical device.

Design Fellow (July 2019 - August 2021)

Makerspace manager and design mentor for over 2000 members of the Yale CEID.

- Co-authored an accessible method for screening aerosol filtration to quantify face mask quality for the Yale-New Haven Hospital.
- Directed simulated and experimental testing of acoustic quality for a project-based learning bluetooth speaker startup.

EDUCATION

Stanford University – *MS in Mechanical Engineering, Design Impact*

Expected graduation Summer 2023. GPA 3.9

Yale University – *BS in Mechanical Engineering, ABET Accredited*

Graduated 2019. GPA 3.45

SKILLS

Onshape, SolidWorks, 3D Printing, CNC Milling, Kicad, C++, Python, MATLAB

AWARDS

NSF GRF Prize Recipient 2021: For fully-funded graduate study.

Paul Festern Award 2018: Outstanding leadership and service in the Yale Bands.

Light Fellowship 2016: Funding for language and cultural immersion in Beijing.