



KAITLYN — OLAH —

CONTACT



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1705 Homet Road,
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EDUCATION

Stanford University

M.S. Mechanical Engineering

*Manufacturing & Product Realization
Design Methodology
Sep 2018 - June 2019*

B.S. Product Design

Sep 2014 - June 2018

SKILLS

- Solidworks
- 3D Printing
- Metal Forming & Bending
- Machining
- Injection Molding
- Welding
- Illustrator
- Photoshop
- FEA
- CNC
- Metal Casting
- Rapid Prototyping
- Design Thinking

EXPERIENCE

WET Design

Product Engineer

Burbank, CA

Aug 2019 - present

- Led conceptualization, design, validation, and manufacturing of projection system for a prominent installation that required IR illumination and high precision opto-mechanical mount to perform projection mapping in real time. Devices will be in an installation viewed by upwards of 150k people per day.
- Lead engineer responsible for introducing drone technology into upcoming features. Created mock ups and prototypes, developed various payloads for creative expression, and tested various prototype iterations.
- Established device requirements, project timelines, costing, and development plans for various devices. Worked with designers and architects to establish project goals.
- Developed and executed rigorous testing and validation plan to determine lifespan and repeatability of various mechanical systems.
- Provided manufacturing support and troubleshooting guidelines for clients and field support teams.
- Created and chaired committee to promote product and procedure standardization practices within the Product Development and Engineering Department. Encouraged other members of the department to champion various initiatives.

Design for Extreme Affordability

Design Consultant for Rare Nonprofit

Stanford, CA

Jan 2018 - Sep 2018

- Worked with an interdisciplinary team and Rare to design an ice storage unit for impoverished fishing communities using 80% less energy than a standard freezer
- Led the team in the design and engineering of the device
- Traveled extensively to the Philippines to conduct user testing and source local manufacturers

Armani Research Lab

Mechanical Engineering Intern

Los Angeles, CA

Jun 2017 - Aug 2017

- Designed the hardware for a polarimetric magnetic malaria diagnostic device
- Systems designed include magnetic trap system as well as external hardware

TeachAids

Graphic Designer

Los Angeles, CA

Jun 2017 - Sep 2017

- Assisted in the creation of all marketing and informational content for potential collaborators
- Developed informational handouts for the new concussion education project

Idealab

Product Design Intern

Pasadena, CA

Jun 2016 - Aug 2016

- Assisted companies within the Idealab accelerator with a number of prototypes and other design tasks
- Designed various household items to add to the New Matter's MOD-t 3D printer online repository
- Organized and ran a series of tests with users to determine product or service viability

Stanford - Digital Design Principles and Applications

Teacher's Assistant

Stanford, CA

Sep 2016 - Jan 2018

- Taught students to build upon foundation design principles and use analytical problem-solving approaches cultivated through real-time implementation of digital tools such as Photoshop and Illustrator