

ALEXIS WEI

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EDUCATION:

UC Berkeley | Dec 2021

Mechanical Engineering & EECS

COURSEWORK:

ME C178 - Design for the Human Body

E 128 - Adv Engineering Graphics

E 26 - 3D Modelling

E 25 - Visualization for Design

ENV DES 1 - Intro to Env Des

Web Design Decal

LANGUAGES:

Python, Java/C/C++, JavaScript,

MATLAB, Swift, CSS /HTML, SQL

TECHNOLOGIES:

Adobe Design Suite / Figma

Final Cut Pro

Solidworks / Fusion 360

3D Printing / CNC Machining

Adam's Car / ANSYS

React.js / Gatsby

OpenCV / Google Vision API

JUST FOR FUN

Fellow @ Rewriting the Code

Graphic Designer @ Innovative Design

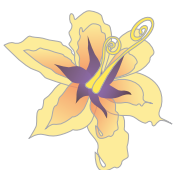
Samsung UVenture Top 10 Finalist

INTERESTS:

Robotics, Product Design,

Graphic Design, Architecture

Swimming, Baking Cookies!



EXPERIENCES

DESIGN AND MARKETING INTERN : Pomp Beauty | since May 2020

- Designed 30+ infographics for social media posts and email templates for weekly newsletters with **Adobe Illustrator**
- Created 12 beauty tip videos in **Final Cut Pro** for Instagram and Youtube
- Redesigned the customer registration, checkout and website home page in **Figma**

ACADEMIC INTERN : Berkeley EECS Department | since Feb 2020

- Reinforcing concepts such as **git**, **hashing** and **sorting algorithms** for students in Data Structures, through assisting with lab and homework assignments

CHASSIS ENGINEER : Berkeley Formula Electric | since Jan 2020

- Designed cooling system within the accumulator casing to safely contain and protect battery modules from external heat, water, and collisions
- Researched and modelled a steering wheel design in **Fusion 360**, while optimizing weight, durability, driver controls and ergonomics
- Built an adjustable rig from 80/20 for seat testing and spaceframe constraints

MECHANICAL ENGINEERING INTERN : Arris Composites | May 2019 - May 2020

- Prototyped and 3D printed multiple designs of a modular tape dispenser for handling fragile material of various carbon fibre compositions
- Designed various mechanical components in **Solidworks** within manufacturing cells which had functions of heat protection, ventilation, and stabilization
- Programmed a movement sequence for **FANUC Robotic arms** in **KAREL** which is a crucial component of the MVP cell, and used to speed up future R&D testing
- Conducted cell testing to ensure perfect program integration into the system, interface, and PLC

PROJECTS

CULINARY SOCIAL MEDIA PLATFORM - OM NOM | Hack:now - Ongoing

- Created a platform for sharing and discovering recipes, chefs and restaurants
- Uses **OpenCV** and **Swift** to identify available ingredients through mobile cameras
- Web platform developed with **React.js**, **Material UI**, and **MongoDB Atlas**

LEGACY | Early 2020

- Created an Income Share Agreement platform that connects alumni to students to support their studies and future potentials both financially and experientially
- Branded through logo design, color palette selection & graphics illustration
- Wireframed with **Adobe XD**, build with **React.js**, and deployed with **Firebase**
- Finalist of the Berkeley Big Ideas Competition + YC start-up school participant
- take a look and visit : joinlegacy.io

CONTROLLABLE COLOR CHANGING LIGHT SYSTEM | Late 2019

- Connected the ESP32, light, temperature and humidity sensors to communicate through Wi-Fi and control multiple LED light strips
- Programmed in **Python**