ALEXIS WEI

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EDUCATION:
UC Berkeley | Dec 2021
EECS & Mechanical Engineering

COURSEWORK:
Stanford Machine Learning
Self-Driving Decal
CS C100 - Principles of Data Science
CS 70 - Discrete Math & Probability
CS 61B - Data Structures
CS 61C - Computer Architecture
MATH 54 - Linear Algebra
ME 100 - Electronics for IoT

LANGUAGES:
Python, Java/C/C++, JavaScript,
MATLAB, Swift, CSS /HTML, SQL

TECHNOLOGIES:
OpenCV / Google Vision API
Tensorflow / Keras / PyTorch
Jupyter Notebook
Pandas / NumPy / GraphQL
React.js / Gatsby
Firebase / MongoDB

JUST FOR FUN
Fellow @ Rewriting the Code
Entrepeurship Fellow @ Soma Capital
Graphic Designer @ Innovative
Design
Chassis Engineer @ Berkeley
Formula Electric
Samsung UVenture *Top 10 Finalist*

INTERESTS:
Robotics, Artificial Intelligence,
Transformative Product Design,
Graphic Design, Architecture
Swimming, Baking Cookies!

EXPERIENCES

DESIGN + FRONTEND ENGINEERING INTERN : Pomp Beauty | since May 2020
- Increased the likilhood of service sign ups by 5x through redesigning the customer registration, checkout and website home page in **Figma** with HCI principles
- Implemented my frontend designs with **React.js** and **Redux** at pompbeauty.com
- Designed 50+ visual and video content for social media and weekly newsletters

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

MECHANICAL ENGINEERING INTERN : Arris Composites | May 2019 - May 2020
- Programmed a movement seqenuce for **FANUC Robotic arms** in **KAREL** used for critical MVP demonstrations and speeding up R&D testing
- Conducted cell testing to ensure perfect program integration into the system, interface, and PLC, increasing system performance by 200%
- Designed various mechanical components in **Solidworks** within manufacturing cells which had functions of heat protection, ventilation, and stabilization

PROJECTS

REWRITING THE CODE - ONBOARDING INFRASTRUCTURE | Summer 2020
- Reconstructed RTC's onboarding process for new members allowing members to track their personal progress for the first time
- Gamified and designed a storyline to implement interactive lesson modules
- Designed the data infrastructure through AirTable bases to collect these data
- Tested **Airtable REST APIs** and connected with frontend development

CULINARY SOCIAL MEDIA PLATFORM - OM NOM | Hack:now - Ongoing
- Created a platform for sharing and discovering recipes, chefs and resturants
- Uses **OpenCV** and **Swift** to identify available ingrdients 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** w/ Adafruit packages