ALEXIS WEI

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EDUCATION:

UC Berkeley | May 2022
EECS & Mechancial Engineering

COURSEWORK:

Stanford Machine Learning
Self-Driving Decal
Web Design
CS C100 - Principles of Data Science
CS 70 - Discrete Math & Probability
CS 61B - Data Structures
CS 61C - Computer Architecture
MATH 54 - Linear Algebra

LANGUAGES:

JavaScript/TS, CSS /HTML, Python
C/C++/Java, Swift, SQL

TECHNOLOGIES:

React.js / Gatsby
Firebase / MongoDB
Pandas / NumPy / GraphQL
Jupyter Notebook
scikit-learn, CoreML

JUST FOR FUN

Fellow @ Rewriting the Code
Entrepeurship Fellow @ Soma Capital
Graphic Designer @ Innovative Design
Samsung UVenture *Top 10 Finalist*

INTERESTS:

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

EXPERIENCES

PRODUCT DESIGNER INTERN : Fingerprint for Success | since July 2020

- Designing and programming a two-way marketplace experience & admin console in **React** with **PostgreSQL** that is easy for coaches and users to interact with
- Incorporating scheduling with the **Calendly API**
- Determined when users wanted to transition services through testing **AI botpress** chatbot, and collecting direct feedback through one-on-one interviews
- Researched and contacted marketplace partners for F4S API integration

DESIGNER + FRONTEND ENGINEER : Pomp Beauty | since May 2020

- Increased the likeilihood 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

CHASSIS ENGINEER : Berkeley Formula Electric | since Jan 2020

- Analyzed thermal properties and mass flow rates to designed a cooling system to protect battery modules from overheating within the accumulator
- 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 ENGINEER 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%

PROJECTS

REWRITING THE CODE - ONBOARDING INFRASTRUCTURE | Summer 2020

- Reconstructured RTC's onboarding process for new members allowing members to track their personal progress for the first time through 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 **CoreML** and **Swift** to identify available ingrdients through mobile cameras
- Web platform developed with **React.js, Material UI,** and **MongoDB Atlas**

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