ALEXIS WEI

*THE QUIRK TO **YOUR** DESIGN*

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EXPERIENCE

BRAKING SYSTEMS ENGINEER
BERKELEY HYPERLOOP | *Feb 2019 - present*
- Designed a pneumatic air pressure release system with Solidworks
- Braking with friction and eddy current magnetism to stop a 100kg vehicle moving at 250mph in under 400m

GRAPHIC DESIGNER
THE OPPIA FOUNDATION | *March 2019 - present*
- Created visuals for a series of online lessons in mathematics
- Worked remotely with a non-profit organization with a diverse team

UX DESIGN INTERN
BUILDBLOCK | *March 2019 - May 2019*
- Redesigned website Landing page
- Guided the startup's entry into the United States through social media advertisements and branding
- Created company graphics and content for promotion & A/B testing

LEAD ENGINEER/DESIGNER
TRUBOTICS | *Sept 2016 - June 2018*
- Developed 5+ robots, capable of obstacle maneuvers and self-carry
- Produced a Design Notebook, detailing ideation, 2D & 3D drawings
- Tested and debugged system for sensor optimization
- Progressed onto VEX Provincial competition as top 15% of all teams

ENGINEERING RESEARCH INTERN
RYERSON UNIVERSITY | *July 2017*
- Conducted hands-on consolidation soil testing with oedometers
- Digitized data into graphical representations through SPSS, creating E-log P curves for analyzation

JUST FOR FUN

CASHMONEY
CONVERGENT | *May 2019*
- An online marketplace for individuals to save and earn money while conveniently exchanging products and services

GOOGLE TECH CHALLENGE
PARTICIPANT | *April 2019*

SUITABLE
DELOITTE STARTUP CASE COMPETITION | *April 2019*
- Idea Generator: 1 out of 5 ideas chosen from hundreds to lead a team
- A convenient professional wear rental service located around the Bay area for occasions where you need when you need it.
- Created a mobile application mockup

QWORK
CALHACKS 5.0 | *Nov 2018*
- Developed a productivity web app using HTML, Python & Uipath allowing workspace access in seconds where functionalities are stored

SENDING A BOSECARD
BOSE SOUND AR DESIGN CHALLENGE | *Oct 2018*
- Utilized audio augmented reality technology to create a virtual postcard system to keep loved ones close with voice and GPS location

EDUCATION

UC BERKELEY
MECHANICAL ENGINEERING
Bachelor of Science '22 | GPA: 3.3
Minor in Architecture

COURSEWORK:
Web Design & Development
Manufacturing & Tolerancing
Electricity & Magnetism
Multivariable Calculus
Environmental Design
Three Dimensional Modeling
Visualization For Engineers

SKILLS

SOFTWARES:
Adobe XD, Illustrator, PS
Figma, Affinity Designer
Solidworks, Fusion 360
AUTOCAD

PROGRAMMING LANGUAGES:
HTML, CSS, Javascript
Java, Python, C#, C++
MATLAB

LANGUAGES:
English, Mandarin, French

AWARDS

1ST PLACE Berkeley LAUNCH Launchathon | Buildblock
2ND PLACE UWaterloo Financial Literacy Competition
3RD PLACE CPA Accounting Contest
2X TOP 15 DECA ON Provincial

INTERESTS

Robotics, Product Innovation, Graphic Design, 3D Printing, Artificial Intelligence, UX/UI, Hiking, Swimming, Dance

WHO AM I?

15% Creativity
10% Positivity
20% Energy
Team Player 25%
30% Skill