








INFO

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SKILLS

- **Languages:**
Python, Java, C++, JS & React, HTML, CSS, SQL, PHP, C
- **Tools/Libraries**
Adobe: XD, LR, PS, PR, AU, AI
Android Studio, Visual Studio, Figma, Power BI, Unit Testing, STemWin, GitHub, Expo, NumPy, Pandas, Regex
- **Foreign Language:**
Mandarin

LEADERSHIP

- Cal Cheerleading Captain
- Cal Gymnastics Club Officer
- Computer Science Mentor
- MDA Walk Team Ben Captain

INTERESTS

- UI, UX, HCI Design
- Front-end/Backend Software
- Web/App Design/Development

EXPERIENCE

- **Software Engineer Intern at Thermo Fisher**
San Diego, January 15, 2021 – August 20, 2021
Full stack web/app development to establish efficient/organized Covid-19 result viewing for 3rd party companies that mass test
 - Built React Native mobile app that scans patient info barcodes, takes picture of PCR test results, and sends to AWS cloud
 - Enhanced website w/ company branding & MaterialUI using React
 - Implemented image viewing feature using Objection/Feathers
 - Displayed interactive customer stat graphs with ReCharts
 - Created Power BI reports for marketing spends
- **Software Engineer Intern at Mesa Biotech**
San Diego, June 5, 2020 – January 15, 2021
UI design and software development of touch screen PCR testing device for Covid-19, flu, and other infectious diseases
 - Prototyped UI with Adobe XD, used STemWin library for graphics
 - Developed firmware with Hierarchical/Finite State Machines, asynchronous event handling, and RTC interrupts
 - Added print feature with ESC/POS printing commands
 - Launched maintenance user function with unique 1 time SHA-256 hashed passwords retrievable with a Window Forms App
 - Contributed to USB based Export/Import & barcode scan function
 - Initiated unit-testing with VS C++ Native Unit Test framework
 - Updated software requirements documentation
- **National Association of Intercollegiate Gymnastics Clubs (NAIGC) SW Development Team Volunteer**
Remote, December 1, 2020 – Ongoing
Streamlined NAIGC registration process and competition scoring
 - Used JS, PHP, & Ajax calls w/ MySQL db to save & load data
 - Revamped UI and displayed information tables with Tabulator

EDUCATION

University of California, Berkeley

August 2018 - May 2022

BA Computer Science and Certificate in Design Innovation

Coursework:

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|---|------------------------------------|
| ● Artificial Intelligence | ● UI Design and Development |
| ● Database Systems | ● Human Centered Design |
| ● Computer Graphics & Imaging | ● Web Design |
| ● Efficient Algorithms & Intractable Problems | ● User Experience Design |
| ● Principles & Techniques of Data Science | ● Visual Communication & Sketching |
| ● Computer Architecture | ● Brand Identity & Graphic Design |
| ● Discrete Mathematics & Probability Theory | ● Creativity Lab |