



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
- CureSMA/MDA fundraiser

INTERESTS

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

EXPERIENCE

- **Software Engineer Intern at Thermo Fisher**
January 15, 2021 – August 20, 2021
 - 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**
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
 - Created 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
 - Implemented unit-testing with VS C++ Native Unit Test framework
 - Updated software requirements documentation
- **National Association of Intercollegiate Gymnastics Clubs (NAIGC) Software Development Team Member**
December 1, 2020 –
 - Worked on NAIGC registration website written w/ JS and PHP
 - Used Ajax calls w/ MySQL database to save & load data
 - Implemented scoring features for individual and team competitions
 - Displayed information tables with Tabulator JS library

EDUCATION

University of California, Berkeley BA Computer Science, Certificate in Design Innovation

Graduation: May 2022

Coursework:

- | | |
|---|------------------------------------|
| • 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 |