



Major: Computer Science

INFO

 Berkeley, CA || San Diego, CA

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 <https://lucylanlou.github.io/>

SKILLS

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

LEADERSHIP

- Cal Gymnastics Club Officer
- Cal Cheerleader
- 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 React.js website with company branding and MaterialUI
 - Implemented image viewing feature using Objection/Feathers.js
 - 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 for portable 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 –
 - Created edit profile and scoring features on website using inputs with JS/Ajax calls and saving/loading data w/ PHP/MySQL
- **CSM Mentor**
September 5, 2019 – December 18, 2020
 - Tutored small group every week on CS61A topics
 - Created reference sheets for various topics for future mentors

EDUCATION

University of California, Berkeley

Expected Graduation: May 2022

Relevant Courses:

- **Data100 Principles and Techniques of Data Science**
 - Numpy, Pandas, Regex, visualization, modeling
- **CS160 User Interface Design and Development**
 - Made 3 Android apps in Android Studio with Google APIs
 - Front end lead in group project: <https://tinyurl.com/TinyTalesPortfolio>
- **CS198-056 Web Design Decal**
 - Visual design, typography, color theory, motion, accessibility
- **CS61B Data Structures**
- **DESINV98 Human Centered Design**
 - Industry design process and theory/prototyping with Figma
- **CS170 Efficient Algorithms and Intractable Problems**