L U C Y

L O U

I N F O

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A W A R D S

* Andy Grove Scholarship for Intel Employee’s Children
* University of California Scholar Athlete

L E A D E R S H I P

* Cal Gymnastics Club Officer
* Cal Cheerleader
* Former Gymnastics Coach
* Muscle Dystrophy Association Walk Captain of Team Ben

E X P E R I E N C E

* Software Engineer & Developer Intern at MesaBiotech

*June 5, 2019 – Currently Still Employed*

* Software UI and other updates for Covid-19 test device
* Embedded programming, STemWin, Hierarchical/Finite State Machine, asynchronous posting/publishing events, RTC interrupts, ESC/POS printing commands, hashing, Windows Forms, documentations, unit-testing/mocking, Adobe XD
* CS370 Tutor

*January 22, 2019 - May 15, 2019*

* Tutored 3 people 1 on 1 every week on CS61A topics
* CSM Mentor

*September 5, 2019 - May 15, 2020*

* Tutored small group every week on CS61A topics
* CS61B Academic Intern (Lab Assistant)

*September 5, 2019 – December 20, 2019*

* Lab assistant for CS61B
* Helped students during office hours

S K I L L S

* Languages: Python, Java, SQL, C, C++, JS, HTML, CSS
* Graphic/Web/UI/UX/**HCI Design**
* **Android Studio/Visual Studio**
* **Microsoft** & **Adobe** Suites
* Unit testing
* Mandarin

E D U C A T I O N

**University of California, Berkeley 2021**

Relevant Courses:

* CS160 User Interface Design and Developement
* Android Studio/Google APIs
* Front end lead in group project: early childhood learning app for creative storytelling. Used google vision API to generate 4 related images based on imported pictures for child to record a story.
* CS61B Data Structures
* Java, Git, IntelliJ, debugging, testing
* Algorithms for efficient run times/space for searching, traversing, and sorting such as A\*, Dikstras’s, Radix, Merge, and Quick Sort
* CS61C Great Ideas in Computer Architecture
* C, pointers, bit representation, floating point
* RISC-V assembly and instruction format, compilers, SDS, FSM, pipelining, caches, virtual memory, thread parallelism, OpenMP
* Built a 2-stage pipeline RISC-V CPU on Logism
* CS61A Structure and Interpretation of Computer Programs
* Python to code games, SQL, basic coding skills
* Coded Scheme language interpreter
* CS70 Discrete Mathematics and Probability Theory
* Induction, Error correcting codes, RSA secret sharing, graph theory, stable marriage, counting, conditional probability, random variables, concentration inequalities
* DESINV98 Human Centered Design
* Industry design process and theory/prototyping with Figma
* Project: WaterSleeves <https://www.behance.net/gallery/96314123/WaterSleeves>

Events:

* CAL HACKS 5.0 – November 2-November 3, 2018
* CAL HACKS 6.0 – October 25- October 27, 2019
  + Android app that gives user a positive motivational quote when user taps screen

Major: Computer Science