



Major: Computer Science

INFO

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SKILLS

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

LEADERSHIP

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

AWARDS

- Andy Grove Scholarship for Intel Employee's Children
- University of California Scholar Athlete

EXPERIENCE

- 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/mockings, 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)

EDUCATION

University of California, Berkeley 2021

Relevant Courses:

- CS160 User Interface Design and Development
 - 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
- DESIN98 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