

SHELDEN SHI

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EDUCATION

University of California, Berkeley

Aug 2019 – May 2023

Bachelor of Arts, Computer Science

GPA: 3.88

Bachelor of Arts, Cognitive Science

Relevant Courses

- CS 61A: *Structure & Interpretation of Computer Programs* (**4 Python projects**), CS 61B: *Data Structures* (**4 Java projects**), CS 61C: *Machine Structures (C, RISC-V)*, CS 70: *Discrete Math and Probability*, EECS 16A: *Designing information Devices and Systems*, Data8: *Foundations of Data Science* (**4 Data Science projects, Python**)
- Machine Learning** (Coursera, by Andrew Ng): *Learned to implement and apply machine learning algorithms to novel problems.* **AI for Medicine** (Deeplearning.AI): *Learned about the nuances of working with both 2D and 3D medical image data, for multi-class classification and image segmentation.*

HIGHLIGHTED EXPERIENCE & PROJECTS

Institute for Security and Technology (IST), San Francisco, CA

May 2020 - Present

ML & Cyber Technology Intern

- Executed a DDoS Education Project that made internet security resources more broadly available to non-English speakers and promoted public awareness of DDoS attacks.
- Trained NLP translation models for 3 languages and implemented a document translator application using Python; the application translated 200+ reports, presentations, and with publishable quality results.
- Collaborated with the publication team to launch an open-source Virtual Library to distribute 400+ Internet Security-related educational resources to the global community.

Berkeley Social Interaction Laboratory, Berkeley, CA

Aug 2020 – Present

Research Assistant

- Designed ML pipeline and visualization tools to analyze data from police body cameras.
- Building an AI system to detect negative emotion from vocalizations recorded by body cameras worn by police and developing a warning system for police officers.

Daily Chinese LLC, Shanghai/Detroit, MI

Summer 2018 - Spring 2019

Founder

- Directed a team of 6 including 2 experienced Mandarin professors from *Shanghai International Studies University* to develop a Chinese learning App.
- Lunched the APP within 3 months and received offers of \$120,000 from potential investors.
- Later, sold the app to *Shanghai Yunxuan Information Technology Ltd.* for \$50,000.

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

Cognitive Science Student Association at Berkeley

Jan 2020 - Present

Event Organizer

- Directed the planning committee for the 12th Annual California Cognitive Science Conference, an annual symposium bringing together 300+ students and researchers.
- Increased yearly organization fund from \$50,000 to \$65,000 through alumni donor development and fundraising events

Online Educator (Video Content Producer)

Sep 2018 - Present

- Taught Programming and English on Douyin (a Chinese Video Platform) in form of short videos.
- Reached 145,000 followers within a year. 110 posted videos were viewed by over 32 Million people.

UC Berkeley CS Tutor

Jan 2020 – May 2020

- Provided in-person instruction to 10 CS61A students with class materials and achieved grade improvement in 100% of students tutored over a five-month period.
- Helped students assemble lesson plans to keep them on track with the class material and mentored them with personal projects to further practice the skills learned from the course.

SKILLS

- Languages:** Python, Java, C, SQL, MATLAB, JavaScript
- Bilingual** in English and Chinese
- Software:** Git, Data Structure, TensorFlow, Linux, React, Matplotlib, Numpy, Scipy, Pandas, and more