



CINDY X. ZHANG

UC BERKELEY STUDENT

PERSONAL PROFILE

I'm currently a sophomore at UC Berkeley, majoring in computer science. I'm a quick learner, eager to explore various areas of CS, so I can determine whether I should start a career in industry or research. Outside of academics, one of my main hobbies is wushu (Chinese martial arts), and I'm an active member of Cal Wushu. I also love spontaneous adventures, trips to the beach, and playing music with friends.

SKILLS

- Python
- Java
- HTML, CSS, JavaScript
- Scheme
- SQL
- Technical Writing
- Team player
- Teaching



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EDUCATION

University of California, Berkeley | 2018 - 2022

Major: Computer Science

GPA: 4.0

Technical Courses:

- CS61A: The Structure and Interpretation of Computer Programs
 - CS61B: Data Structures
 - Math 54: Linear Algebra and Differential Equations
 - EE16A: Designing Information Devices and Systems I
- In progress: Machine Structures (CS61C), Discrete Math and Probability (CS70)

EXPERIENCE

Dolby Laboratories | May - Aug 2019

Platform QA Internship

- Script in Python to generate output from research binary to verify video compression algorithm
- Integrate pytest in testing scripts to automate process
- Refactor and adapt scripts to be more user-friendly and efficient

Berkeley CSM | Spring 2019 - Present

Computer Science Mentor

- Teach a group of CS61A students 1x/week
- Generate course material for exam review and weekly sessions

PROJECTS

2D Maze Game | CS61B Final Project

- Java
- Used Weighted Quick Union data structure and Prim's Algorithm to create a 2D world with connected rooms and hallways
- Includes a torch feature, displaying a small radius of the world around the player with the rest of the world hidden

Games | Personal Projects

- Python, Java
- BlackJack: multi-player game with the computer as dealer
- ConnectFour: has options to play with different cpu levels as well as with another person

Virtual Reality Research | Student Science Training Program

- Unity 3D, C#
- Hosted virtual humans in a virtual environment created using Unity 3D software
- Tested which trait (voice or animations) is more responsible for human resemblance of virtual humans
- Conducted study with over 100 participants and showcased results in a research paper, poster, and presentation

Tutortime | Bay Area Tutoring Organization

- Coordinator and tutor
- Matched Bay Area high students to academically talented high school tutors
- Bridged the gap between affordable tutoring and introductory job experience
- Maintained website and designed promotional material

AWARDS

- UC Berkeley Kraft Award (2019)
- Cal Leadership Award (2018)
- National Merit Scholar (2018)
- Wesley Marks Memorial Scholarship (2018)
- Chi Am Scholarship (2018)
- Student Science Training Program Best Paper (2017)