

Max Xiang Lin

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Education

University of California, Berkeley
B.A. Computer Science

Berkeley, CA
Expected May 2021

Experience

CS61C Course Tutor – Great Ideas in Machine Architecture

Berkeley, CA

CS61C Course Staff

June 2019 – August 2019

- Taught weekly group tutoring sections and managed review sessions

Computer Science Mentors

Berkeley, CA

CS61C Junior Mentor

January 2019 – May 2019

- Mentored students in RISC-V CPU datapaths, pipelining, virtual memory, caches, floating point

Academic Intern - Data Structures and Algorithms

Berkeley, CA

CS61BL Course Staff

June 2018 – August 2018

- Lab assistant, helped students understand sorting algorithms and various data structures (hash

Projects

Bear Maps – CS61b Project

- Java mapping application of Berkeley using A* to find shortest routes

Labyrinth Game – CS61b Project

- Interactive game with randomly generated floors with randomly placed keys and an exit

World Gen – Soda Hacks project

- Interactive 2D game where player action affects the environment

Skills

Programming Languages: • Python • Java • C • RISC-V • Scheme

Familiarity with: • SQL • HTML • CSS • JavaScript

Languages: • English • Mandarin Chinese

Relevant Coursework

Finished: • **(CS61A)** Structure and Interpretation of Computer Programs • **(CS61B)** Data Structures and Algorithms • **(CS61C)** Machine Structures • **(CS70)** Discrete Math and Probability Theory • **(CS170)** Efficient Algorithms and Intractable Problems • **(Math 53)** Multivariable Calculus • **(Math54)** Linear Algebra • **(EE16A/B)** Designing Information Devices and Systems I/II • **(Data8)** Foundation of Data Science • **(Data100)** Principles and Techniques of Data Science

Current: **(CS161)** Computer Security • **(CS188)** Artificial Intelligence • **(CS186)** Database Systems

Honors & Awards

1st Place CS170 Code Performance Competition

May 2019

HHS Badminton Captain

Jan 2016 – May 2017

1st Place Pioneers in Engineering (PiE) High School Robotics Competition

April 2017