

Max Lin

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Experience

CS61C Course Tutor – Great Ideas in Machine Architecture

June 2019 – Aug 2019

CS61c Course Staff

Berkeley, CA

- Holding weekly small group tutoring sections and holding review (guerrilla) sessions.
- Cover topics of RISC-V, Caches, Pipelining, Datapath and CPU design, Virtual Memory

CSM – Great Ideas in Machine Architecture

February 2019 – May 2019

CS61c Junior Mentor

Berkeley, CA

- Mentoring small groups on RISC-V, Caches, Pipelining, Datapath and CPU design, Virtual Memory

Academic Intern - Data Structures and Algorithms

June 2018 – Aug 2018

CS61b Course Staff

Berkeley, CA

- Lab assistant, helped students understand Java, sorting algorithms, data structures

Projects

World Gen – Soda Hacks project

- Interactive 2D game where player action affects the environment

Labyrinth Game – CS61b Project

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

Minigames and personal tools

- Blackjack (Python), TapBPM (Java)

Personal Website

Skills

Programming Languages: • Python • Java • C

Familiarity with: • SQL • HTML • CSS • JavaScript

Tools: • IntelliJ • Pandas • Latex

Languages: • English • Mandarin Chinese

Education

University of California, Berkeley

Berkeley, CA

B.A. Letters and Science, Computer Science

May 2021

- GPA: 3.662/4.0
- Relevant Coursework: • **(CS61a)** The Structure and Interpretation of Computer Programs • **(CS61b)** Data Structures and Algorithms • **(CS61c)** Great Ideas in Computer Architecture (Machine Structures) • **(CS70)** Discrete Math and Probability Theory • **(CS170)** Efficient Algorithms and Intractable Problems • **(Math 53)** Multivariable Calculus • **(Math54)** Linear Algebra • **(EE16a)** Designing Information Devices and Systems I • **(EE16b)** Designing Information Devices and Systems 2 • **(Data8)** The Foundation of Data Science • **(Data100)** Principles and Techniques of Data Science

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