

# Hanson Lau

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## Education

### B.S Computer Science, University of California, Davis

*Expected Graduation 2025*

*GPA: 3.897*

- **Relevant Courses:** Programming and Problem Solving, Software Development & Object-Oriented Programming C++, Data Structures, Algorithms, and Programming, Discrete Math, Machine Dependent Programming, Algorithm Design and Analysis, Database Systems
- Dean's Honors List College of Letters and Science (Fall Quarter 2021, Winter Quarter 2023)

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## Experience

### Juni Learning - Part-Time Computer Science Instructor

*Oct 2022 - Apr 2023*

- Providing 1:1 instruction to students from ages 8 to 18 while adapting to their needs and interests.
- Instructing multiple courses that involve Scratch, Python, PyGame, and Java.
- Keeping track of students' skill progression and providing summary notes after each class session.

### UC Berkeley ATDP - Teaching Assistant Intern

*Jul 2020 & Jul 2021*

- Remotely interned as a teaching assistant for the course Building Blocks of Coding: Python.
- Assisted a group of middle school students by answering their technical questions and guiding them in thinking critically.
- Helped debug code and created Python programs to inspire the students for their own projects.

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## Projects

### Button-Clicker Website ([hansonklau.github.io/LearnProject](https://hansonklau.github.io/LearnProject))

*Dec 2021*

- Collaborated on a project to gain experience with Javascript and the Firebase platform/application
- Users click a button to increase the click count and they can create accounts to save the number of clicks
- Created using HTML, CSS, Bootstrap, Node.js, Vanilla JavaScript, and Firebase

### Minesweeper ([chris-phan.github.io/Minesweeper](https://chris-phan.github.io/Minesweeper))

*Dec 2021*

- Worked collaboratively on a learning project to reinforce experience with Javascript and Firebase
- Ultimately a clone of the game Minesweeper, allows users to adjust the alignment of the game, contains a leaderboard implementing Firestore that reveals the top players
- Created using HTML, CSS, Bootstrap, Node.js, Vanilla JavaScript, and Firebase

### Karate Website ([hansonlau.github.io/shorin-ryu](https://hansonlau.github.io/shorin-ryu))

*Jan 2021*

- Interactive website that contains descriptions, pictures, and videos on different pages
- Used HTML, CSS, and a little Javascript to build this project; Hosted on GitHub Pages

### Personal Website ([hansonlau.github.io](https://hansonlau.github.io))

*Oct 2020*

- Showcases personal hobbies, experience, and education; Contains CSS animations
- Created using HTML, CSS, and Javascript; Hosted on GitHub Pages

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## Skills

C/C++, HTML, CSS, Python, Javascript, Java, Git, GitHub