

Jamie Ip

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EDUCATION

University of California, Berkeley

Berkeley, CA

B.A in Computer Science and Data Science, 4.00 GPA

2018-2022

- Relevant Coursework: Great Ideas of Computer Architecture, Discrete Math and Probability Theory, Data Structures, The Structure and Interpretation of Computer Programs, Human Contexts and Ethics of Data, Foundations of Data Science, Teaching Computer Science
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EXPERIENCE

Research Intern

September 2019-Present

Berkeley Institute for Data Science; Professor: Dr. R. Stuart Geiger

- Investigating published machine learning application papers, gathering and analyzing information on the reliability of machine learning training data

GamesCrafters Research and Development Group

January 2020-Present

University of California, Berkeley; Professor: Dr. Dan Garcia

- Designing a strong solver for complete information games using combinatorial game theory

Computer Science Mentors, Associate Mentor

September 2019-Present

- Providing weekly lessons, guidance, and resources to a small group of students in CS 61A to help foster a community of inclusivity and belonging in the computer science department

CS 370 Private Tutor

January 2019-May

- Rated an average of 4.96 / 5.0 in knowledge, 4.93 / 5.0 in supportiveness, and 4.70 / 5.0 in clarity by students after 27 individual one-on-one tutoring sessions on CS course material

Youthphonic Cellist and Technology Manager

October 2011-2018

- Performed music for elderly citizens in senior living centers; created and managed group website
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SKILLS

- Languages: Python, Java, C, RISC-V, Scheme, C#, HTML, CSS
 - Graphic Design and Digital Art: proficient with drawing tablets and software
 - Consistent typing around 120 WPM
 - Mandarin Chinese: conversational level
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PROJECTS

Phlow

Bear Jams (1st Place)

- Endless runner snake game with original art and music, developed on a team with 4 others

RageCage

Cal Hacks 5.0

- Collaboratively designed a Chrome browser extension that monitors writing tone on social media, emails, and online forums to warn its user upon detecting an excessive amount of anger

Digit Classifier

- Coded an Artificial Neural Net in RISC-V that accurately classifies handwritten digits