

# James Ma

Quintuple Major at UC Berkeley interested in SWE and data science internships

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<https://jamesma23.github.io>

## EXPERIENCE

### Ethi — Data Scientist

November 2020 - Present

As part of the Menon Labs N20 Cohort, I am working as a data scientist with a team of fellow students to help Ethi evaluate how Facebook data can predict our mental state.

### Creative Commons — Machine Learning Researcher

October 2020 - Present

Worked on the Image Authority and Popularity Project to create a system for ranking images on the Internet.

### Fidutam and Co — Marketing Intern

August 2020 - Present

Worked in the business team; help create the pitch deck, etc., to be continued

### SWAYD, UC Berkeley — Front End Developer

January 2020 - March 2020

Learned the basics of front-end development and using APIs with Postman, gave feedback on the website's landing page.

### Coleman Lab, UC Berkeley — Student Researcher

September 2019 - May 2020

Spread awareness about privacy through social media, annotated scholarly articles about privacy, contributed to websites about privacy, handled spreadsheets of privacy-related legal documents, created notes for becoming a privacy specialist.

## EDUCATION

### UC Berkeley — Computer Science, Data Science, Applied Math, Statistics, Economics

2019-2023

Undergraduate Research Apprentice Program, Math Undergraduate Association, Berkeley IEEE, UC Berkeley Quiz Bowl, Blue & Gold Yearbook, Extended Reality at Berkeley

## PROJECTS

### RISC-V CPU

October 2020- November 2020

Built a pipelined RISC-V CPU in Logisim for my Machine Architecture class. It can carry out over thirty different RISC-V instructions.

### Global Motion

September 2020

At the HackMIT 2020 Hackathon, my team and I used APIs to do sentiment analysis on Reddit data of people's reactions to the events of 2020, then visualized the results on a website.

### Gitlet

October 2020- November 2020

Used Java to make a version-control system with the basic functionalities of Git for my Data Structures course.

## COURSEWORK

Udemy 2020 Web Development Bootcamp, 24 AP Tests (California State AP Scholar 2019), The Structure and Interpretation of Computer Programs, Data Structures, Machine Architecture, Computer Security, Algorithms, Introduction to Artificial Intelligence, Principles and Techniques of Data Science, Concepts of Probability, Concepts of Computing With Data, Multivariable Calculus, Linear Algebra and Differential Equations, Discrete Math, Honors Upper Division Linear Algebra, Introduction to Analysis, Numerical Analysis, Abstract Algebra, The Mathematics of Nonlinear Programming

## SKILLS

Python, Java, C, R  
MATLAB, SQL, HTML,  
CSS, JavaScript,  
Node.js, React.js, AWS,  
Scheme, RISC-V,  
Jupyter Notebooks,  
NumPy, Pandas,  
scikit-learn, Git, Git  
Bash, Logisim, Google  
Sheets, Adobe Suite,

## AWARDS

California State AP  
Scholar

National Merit  
Semifinalist

TSA National Finalist  
Team 2018

Joan M. Gell Memorial  
Scholarship

1st Place In Grade  
Level Bay Math League  
2018 and 2019.

5th Place Senior  
Division National Fall  
Startup Event 2018

2nd Place Division 1  
Physics Bowl Within  
School

Baccalaureate Speaker

## LANGUAGES

English,  
understanding of  
Chinese and Japanese