

# James Ma

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## Languages

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- Javascript
- HTML & CSS
- C++ & C
- C#
- Python
- Bash

## Skills

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- Web Development with React and Node.js
- Web Scraping with Python
- Game Development with Unity
- Unix-based command line
- Git version control

## Awards

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- Best Game at UCLA ACM Hackathon - 2/23/2020
- First Place at UCLA ACM Hack Kitchen Coding Competition - 11/24/2019

## Organizations

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- UCLA ACM
- UCLA UPE CS Honor Society
  - Top 1% of UCLA CS

## Education

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### University of California, Los Angeles

B.S. in Computer Science, expected March 2023, GPA 3.9

#### Relevant Coursework:

Data Structures and Algorithms, Assembly and Parallel Optimization, Software Construction, Discrete Mathematics, Linear Algebra.

## Projects

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### Personal Website: (React, Node.js, Next.js)

<https://jamesma.vercel.app>

- Created a personal website to host my blog and display personal programming projects using static site generation.

### Comments Web App: (React, Bootstrap, Node.js, Next.js, AWS DynamoDB)

<https://comments-demo.vercel.app>

- Constructed a proof of concept web application that displays an article and has a functional comment section.
- Utilized AWS DynamoDB in order to store and retrieve past comments along with their metadata.

### Supreme Web Scraper: (Python3, Selenium)

<https://github.com/james168ma/supreme-bot>

- Scripted a web scraper for expediting and automating checkout for the Supreme clothing web store.
- Accumulates information in the form of a user-generated config file and uses Selenium to navigate the website and purchase the desired item.

### Meteor Metronome: (Unity, C#)

- Worked with a team of four to create a rhythm-based Asteroids shooter during a hackathon.
- Programmed randomized asteroid spawning and asteroid movement aspects of the project.
- Integrated rotation and speed of the asteroids using the Unity Rigidbody2D component and Vector2 struct.

## Experience

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### Girls Who Code / Volunteer Computer Programming Teacher

SEP 2017 - MAR 2019, SAN FRANCISCO, CA

- Developed curriculum, gave lectures, and led students through projects to teach JavaScript to a class of 30 middle school girls.