

Michael Hu

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Education

HARVARD UNIVERSITY

AB in Computer Science, Secondary in Economics, GPA: 3.87/4.0

Relevant Coursework: Algorithms and Data Structures, Computer Graphics, Discrete Mathematics, Abstraction and Design in Computer Science, Big Data for Social Good, Linear Algebra, Statistics and Probability, Economics.

Cambridge, MA

September 2021 – May 2025

STUYVESANT HIGH SCHOOL

SAT I: M:800 V:800. GPA: 4.0/4.0

Awards: Presidential Scholar. AP Scholar with Distinction. National Spanish Exam Gold Medalist.

Relevant Coursework: AP Computer Science, Introduction to Computer Graphics, Systems Programming.

New York, NY

August 2017 – June 2021

Skills

GitHub: <https://github.com/GuessHuIAm>

Programming Languages and Technologies: Python, C#, C++, C, R, SQL, JS, OpenGL, AWS, Unity/Unity Reality.

Languages: Fluent Mandarin Chinese, intermediate Spanish, and basic French.

Relevant Experience

WAYSSCRIPT

Backend Engineering Intern

Implemented file and folder download feature on a Flask application to streamline the setup of standardized development environments. Enhanced security by adding encryption to Redis caches. Improved runtime efficiency through automation of email notifications using Render's Celery workers and optimization of Docker container deployment on Kubernetes.

Brooklyn, NY

May 2022 – August 2022

HARVARD JOHN PAULSON SCHOOL OF ENGINEERING & APPLIED SCIENCES

CS50 & CS50 JD Teaching Fellow

Assisted with the instruction of 20+ students in weekly labs, provided critical feedback on student work, and held office hours and tutorials on introductory to intermediate-level computer science materials including C, Python, web programming (HTML, CSS, JavaScript, SQL), and image processing. Led a seminar on AI-generated art.

Cambridge, MA

August 2022 – Present

HARVARD GAME DEVS & HARVARD AR/VR DEVS

Game Developer

Develop a personal 2D top-down action-adventure game and contributed to the development of a group rogue RPG project using C++ and Unity. Create art assets using Tiled and Procreate. Collaborate with a team on the creation of an AR-based art project.

Cambridge, MA

August 2022 – Present

DATAMATCH

Algorithms Developer

Employed OpenAI API and Firebase to revamp the algorithms used in Harvard's [Datamatch](#) web application (matchmaking service used by over 50,000 college students at over 30 schools) for the February 2022 launch.

Cambridge, MA

November 2021 – February 2022

Leadership

THE HARVARD CRIMSON

Illustration Executive

Illustrate and edit [graphics](#) for the magazine's weekly issues and coordinate pitches between the writers and designers. Layout and design the Crimson's monthly 20-page magazine.

Cambridge, MA

January 2022 – Present

HARVARD FIRST-YEAR OUTDOORS PROGRAM

Student Leader

Lead a week-long service trip in the outdoors for first-year Harvard freshmen before the start of the school year and offer support to students during their first year. Received wilderness and first-aid training as well as CPR certification.

Cambridge, MA

May 2022 – Present