

Alex Hsia

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Education

Carnegie Mellon University; Pittsburgh, Pennsylvania

B.S. in Computer Science (August 2021 - May 2025)

- GPA: 4.0/4
- Activities: Asian Student's Association (Financial Chair), Mixed Martial Arts Club Officer (PR Head), Sigma Alpha Epsilon Fraternity (Philanthropy Chair)
- Coursework: Principles of Imperative Programming, Functional Programming, Great Theoretical Ideas in Computer Science, Concepts in AI, Great Ideas in Computational Biology

Work Experience

Mercury; New York City, NY

Backend Engineering Intern, (May 2023-August 2023)

InspiritAI; Remote

AI Instructor, (June 2022-August 2022)

- Taught AI Concepts to passionate high schoolers, which included live lectures, colab notebook exercises, and project mentorship

Vivo; Shenzhen, China

AI Intern, (June 2019-August 2019)

- In the AI department of China's 2nd largest smartphone company, [I implemented and compared the performances of Deep Reinforcement Learning Algorithms \(e.g. DQN, A2C, DDPG, PPO\) on mobile games](#)
- Secondary focus on Image Processing and Geometric Deep Learning

Projects

LinearTransform (January 2020)

- Created an interactive webpage in Javascript to visualize matrix multiplication; now used by the Singapore American School Math Department to help educate school of 4000+ students

ShotAI (May 2019)

- Created a program that uses Pose Estimation and an LSTM to train a made/missed free throw classifier, with the end goal of providing useful data-driven insight on how to shoot more accurately

Leadership & Community Involvement

Asian Students Association, Carnegie Mellon University

Financial Chair, (January 2022 - Present)

- As head of fundraising for CMU's largest cultural organization (300+ members), raised over \$1000 by selling boba, lunar new year snack boxes, and snack grams

Donut Dash, Carnegie Mellon University

Staff Lead, (October 2022)

- As one of eight staff leads for the largest Greek-life philanthropy event in the nation, helped raise over \$50,000 to support the Mario-lemeux foundation

Skills & Competencies

Skills: C, Python, java, Julia, LaTeX, Pytorch, Deep Learning, Genetic Algorithms, Functional Programming, Systems, Data Structures

Languages: Mandarin (working proficiency)