

Sammy Kao

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EDUCATION

Tufts University

Bachelor of Science in Computer Science, Minor in Finance, GPA: 3.93/4

Medford, MA

Aug. 2022 – May 2026

Programs and Certificates

Prestigious Programs and Professional Certificates

- **Duke University** C++ Programming Fundamentals, IBM AI Engineering Specialization and Full-stack Developer Specialization
- **DeepLearning.AI** Machine Learning Specialization and Unsupervised Learning Specialization
- **University of Michigan** Python for Everybody Specialization
- **MIT Sloan** Sports Analytics Mentorship Program
- **Susquehanna International Group** Discovery Day Fellow

PROJECTS

Pong in Assembly | x86, MASM, NASM, DOS

- Classic Pong Game coded in scratch in Assembly Language

[Github](#)

Options Pricing API | C++, gRPC, Makefiles, Options Modeling

- C++ RPC architecture API for quant trading using Black Scholes, Heston, and Variance Gamme modeling

[Github](#)

CPU Emulator | C, Assembly programming, Binary, Machine Structure

- CPU and RAM emulator from scratch in C w/ UMASM assembly RPN Calculator Program to accompany it

[Github](#)

AI Food Similarity Search | Python, IP Rotators, Flask, Beautiful Soup, HuggingFace, AWS

- Search tool for nearby restaurants based on pictures you upload, ranks by image similarity

[Website](#)

AI Notebook | NodeJs, ExpressJs, MongoDB, PassportJs, HTML, CSS, JavaScript, Heroku

- Keep track of notes and use AI to optimize them

[Website](#)

EXPERIENCE

Software Engineer Intern

Imprivata

- AI R&D team

May 2024 – Present

Waltham, MA

Technical Lead

Tufts University Friedman Institute

- **Skills:** App Dev, 1300 Users, Figma, First student group to ever work with Tufts Technology Services

Dec. 2023 – Present

Boston, MA

Software Engineer Intern

Starfin Ventures

- **Skills:** React.js, Express.js, Python, MongoDB, SQL

Feb. 2024 – May 2024

Irvine, CA

Software Engineer Intern

Epoxy.AI

- **Skills:** Python, AWS Sagemaker, CRM Databases, +\$10,000 MRR

May 2023 – August 2023

Berwyn, PA

Co-founder

Flowpa.co

- **Skills:** Signed 3 clients, Langchain, Python, AWS, FastAPI, FAISS, PHP, HTML/CSS/Javascript, Google Ads

June 2023 – November 2023

Philadelphia, PA

Researcher

Tufts University Human Factors Lab

- **Skills:** C++, TensorFlow, Unsupervised Learning Algorithms, Convergence Algorithms, Python

March 2023 – June 2023

Philadelphia, PA

LEADERSHIP

Player

Tufts University Men's Varsity Soccer

- 30+ mandatory hours a week during the Fall and 20+ hours a week in the offseason

Aug. 2022 – Present

Medford, MA

Co-Founder

NEPHWZ

- 17k+ Followers on Instagram, 40M+ views in Spring 2024, 25M+ accounts reached in Apr. 2024

Nov. 2023 – Present

Philadelphia, PA

Options and Trading Researcher

Tufts Investment Club

- Read my PE ratios paper: [Paper](#)

Jan. 2023 – Present

Medford, MA

TECHNICAL SKILLS

Languages: C/C++ (Tufts University), x86 Assembly, Python, PHP, JavaScript, SQL, HTML/CSS

Frameworks: React, Node.js, Express.js, Flask, Django, LangChain, FastAPI, Bootstrap

Developer Tools: AWS, Heroku, MongoDB, Google Cloud Platform, VS Code, PythonAnywhere

Libraries: TensorFlow, pandas, NumPy, gRPC, Selenium, BeautifulSoup, SnsCrape, SFML, Pygame