

Sammy Kao

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Personal Website: <https://sammykao.github.io>

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EDUCATION

Tufts University

Medford, MA

Bachelor of Science, Major in Computer Science, Minor in Finance

Expected May 2026

GPA: 4.0/4.0

Honors: Dean's List

Relevant Coursework: Introduction to Finance, Introduction to Computer Science, Data Structures, Principles of Economics

Online Courses and Certificates

Remote Work

June 2021 – January 2023

- University of Michigan - Python for Everybody Specialization
 - Introduction to Python course, Data Structures course: Certificate of Merit
 - Using Python to Access Web Data course: Certificate of Merit
 - DBA-AI API course: Certificate of Merit
 - Capstone project: Retrieving, Processing, and Visualizing Data with Python
- Wharton School of Business - Futures of the Business World course: Certificate of Merit
- DeepLearning.AI – Machine Learning Specialization
 - Supervised Machine Learning: Regression and Classification: Certificate of Merit
 - Advanced Learning Algorithms course: Certificate of Merit
 - Unsupervised Learning, Recommenders, Reinforcement Learning course: Certificate of Merit
- Stone Rivers eLearning – Fundamentals of HTML and CSS

PROJECTS

Project portfolio can be found at <https://sammykao.github.io/projects> or at <https://github.com/sammykao>

WORK AND EXTRACURRICULUR EXPERIENCE

Tufts Human Factors Lab

Medford, MA

Researcher

January 2023-Present

- Machine Learning and Data Analytics researcher for VR Face Evolution project that was implemented to query a user to select a desired face choice until the face chosen was the desired output.
- Conducted research into convergence algorithms and unsupervised learning algorithms, contributed to the build of the machine learning model.

Future For Her Non-Profit

Philadelphia, PA

Director of Operations

February 2022 – December 2022

- Managed logistics for a non-profit that works to teach and inspire underserved young girls about entrepreneurship, economic literacy, and the business world.
- Designed and constructed the nonprofit's website, weekly planning outlines, lesson plans, and teaching templates for all workshops and summer camps.
- Forged long-term partnerships with the Philadelphia School District, Lower Merion Library System, TechGirlz, and Bryn Mar College, for weekly workshops and summer camps.
- Awarded \$10,000 Aerie Foundation Grant and \$5,000 American Eagle Foundation Grant

Tufts Investment Club

Medford, MA

Researcher

January 2023-Present

- Conducted research on options contracts and capitalizing on implied volatility.
- Wrote a research paper on trading strategies derived off Theta Decay, building a machine learning model to analyze and derive trading strategies based off statistical Theta Decay

Young Traders Club

Remote Work

Co-founder

May 2020 – August 2022

- Co-founded an online social media club for young stock traders to help teach trading strategies and discuss stock market news. Amassed 32 members from 11 different states in the United States
- Managed a group fund of over \$10,000 and which outperformed the S&P500 by 76% during the 2021 fiscal year

SKILLS AND INTERESTS

Programming Languages: C++, Python, Java, MySQL, HTML, CSS, Javascript,

Software Programs and Tools: Vscode, Atom, GitHub, DBrowser, XML, Json, Microsoft Office Suite, Google Apps, Jupyter Notebooks, Tensorflow, Keras, NumPy, Matplotlib

Interests: Tufts University Varsity Men's Soccer Player, Cooking, Artificial Intelligence, Leonardo DiCaprio Movies, Traveling, Real Estate, Sustainable Options Strategies, Writing Poems