Sammy Kao

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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**
- University of Michigan - Python for Everybody Specialization   *June 2021 – January 2023*
  - Introduction to Python course: Certificate of Merit
  - 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
- Coursera Project Network - Create Your Own Web App with Python and Flask course: Certificate of Merit
- Wharton School of Business - Futures of the Business World course: Certificate of Merit
- Stone Rivers eLearning – Fundamentals of HTML and CSS

PROJECTS

- **C++ Projects:** Splendor two player board game, Rack-O two player card game, Train simulator for any train station line, Reverse Polish Notation Calculator, various Abstract Data Types using fundamental data structures.
- **Python Projects:** Link crawler that can hop from webpage to webpage until the user's desired page is found, iTunes Database program that takes in XML file of a user's tracks and adds to or creates a database of songs, Geocaching program that works with Google's Geocache API to get addresses of schools/universities and storing them in a database while also showing the locations on a map

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 (https://afutureforher.wixsite.com/futureforher), 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

Philadelphia Union   **Philadelphia, PA**
Youth Goalkeeper Coach   *March 2021 – November 2022*
- Worked with a team to organize weekly player development clinics for potential youth academy players and goalkeepers.
- Coached and organized sessions for over 500+ youth players as a Goalkeeper Coach for Philadelphia Union Youth summer camps.

Tufts Investment Club   **Medford, MA**
Researcher   *January 2023-Present*
- Wrote a research paper on trading strategies derived off Theta Decay
- Managed a group fund on ThinkOrSwim with options orientated trades

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
Software Programs and Tools: Vscode, Atom, GitHub, DBrowser, XML, Json, Microsoft Office Suite, Google Apps
Interests: Tufts University Varsity Men's Soccer Player, Cooking, Artificial Intelligence, Leonardo DiCaprio Movies, Traveling, Real Estate, Sustainable Options Strategies, Writing Poems