

Yeefay Li

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EDUCATION

Massachusetts Institute of Technology

Bachelors of Science in Computer Science and Mathematics | *GPA: 4.9/5.0 | SAT: 1590*

Masters of Engineering in Computer Science

Relevant Coursework: Graduate Machine Learning, Statistics, Probability and Random Variables, Linear Algebra, Design and Analysis of Algorithms, Fundamentals of Programming, Theory of Computation, Differential Equations, Multivariate Calculus

Cambridge, MA

Exp. Jun 2026

Exp. Jun 2026

Thomas Jefferson High School for Science and Technology

Honors: 2019-22 AIME Qualifier, 2020-21 Math Prize for Girls Qualifier, National Merit Semifinalist

Alexandria, VA

Jun 2022

WORK EXPERIENCE

Goldman Sachs

Quantitative Strategist Intern

Jun - Aug 2024

New York, NY

- Conducted big data analytics on bank loan and funding bond data for the Private Bank Strategy Team, analyzing trends and edge cases in order to determine code enhancements and investigate net interest margin estimates across all bank loans
- Enhanced bank loan net interest margin and PnL calculations by accounting for defaulted loans and adding in hedges based off cost of funds differentials for loans missing funding bonds, thereby increasing estimation accuracy by 36%
- Built an analytics tool for new investment strategy launched by the Portfolio Management Strategy team to help portfolio managers monitor accounts and plan trades by aggregating account data and displaying trade predictions
- Collaborated with portfolio managers and private bank business team to determine requirements and feature requests

World Wildlife Fund

Data Analyst Intern

Jan - Feb 2023, Jun - Aug 2023

Remote

- Developed Python code to statistically analyze greenhouse gas emissions, land use, and water use of 30 farm practices and 23 crops to describe crop environmental impact and determine suitability for growth in the Mid-Mississippi Delta Region
- Created linear regression analysis to project worldwide future crop production and environmental impacts for 22 specialty crops and 5 crop groups based on data about the emissions, land use, water use, and historical production of each crop
- Constructed model using ArcGIS to predict the suitability of different geographic regions for the growth of specific specialty crops based on crop climate and edaphic requirements as well as worldwide geographic climate and soil data

RESEARCH EXPERIENCE

Android Development for Climate Dashboard

Undergraduate Researcher

Jan - Jun 2024

Cambridge, MA

- Built app in Java using Android Studio to display dashboard of Raspberry Pis relaying information from chemical sensors
- Incorporated software to allow mobile device to connect to Raspberry Pis using either WiFi or a serial connection cable, enabling control of the Raspberry Pis' activity as well as communication with the Raspberry Pis to send and receive data

Independent Data Science Research

Research Co-Author

Oct 2020 - Oct 2021

Remote

- Collaborated with professors from University of Mississippi and Howard University to examine the effect of the pandemic on teenage mental health by scraping and analyzing millions of 2019-20 Reddit posts and comments using Python packages
- Wrote data collection and processing parts of paper published in International Journal of Environmental and Public Health

EXTRACURRICULAR ACTIVITIES

MIT Consulting Group

Vice President - Client Sourcing | Case Team Lead

Feb 2023 - Present

Cambridge, MA

- Direct a team of seven in sourcing potential clients using cold emails and professional connections to ensure a diverse client portfolio as well as train members on best practices for client sourcing regarding both written and verbal communication
- Pitch consulting services to and facilitate communication with prospective clients as well as maintain organization website
- Lead a team of six to conduct research analyzing and developing recommendations for a client's fundraising operations
- Presented analysis of industry trends and potential strategies for increasing the success of the client's fundraising efforts

Burton 5

Floor Chair | Social Chair

Sep 2023 - Present

Cambridge, MA

- Oversee floor of 54 residents, mediating conflicts between floor members and representing the floor at dormwide meetings
- Organize floor events and outings, including both casual gatherings requested by floor members and large floor traditions
- Coordinate official floor events during Campus Preview Weekend to welcome hundreds of prospective freshmen

SKILLS

Technical: Python, Java, Slang, NumPy, Pandas, Matplotlib, Adobe InDesign, Adobe Photoshop, ArcGIS, ArcMap

Language: Bilingual proficiency in Mandarin Chinese

Interests: Dance (MIT Asian Dance Team), graphic design, tennis, concert-going