

Stephanie Mei

Student, Team Member, and Flexible Problem Solver



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[LinkedIn](#)

Education

Massachusetts Institute of Technology

May 2028

Bachelor of Science in Math, AI and Decision Making

Cambridge, MA

- **Relevant Coursework:** 6.100A (Introduction to Computer Science Programming in Python), 18.02 (Multivariable Calculus), 6.1210 (Introduction to Algorithms), 18.701 (Algebra I)

Glenbrook North High School

May 2024

GPA: 5.00

Northbrook, IL

- **Relevant Coursework:** Data Structures and Algorithms, Multivariable Calculus, AP Statistics, AP Calculus BC, AP Computer Science A, AP Physics C, AP Biology, AP Chemistry, Introduction to Business
- **Activities:** (President) Math Team, (Co-President) Science Olympiad, (Principal Cellist) Orchestra, Coding Club, (Board Member) Tri-M Music Honor Society

Experience

Decentralized Social Networks Research

Cambridge, MA, Sept 2024-Present

Researcher. Develop digital tools promoting censorship-free speech under MIT Center for Constructive Communication. Analyze solutions for restoring user data control with a focus on cryptography.

Jane Street WiSE Program

New York City, New York, July 2024

Attendee. Applied and accepted to quantitative trading program of 97 students. Learned basic concepts of trading, probability, and optimal game strategy. Worked with teams on Expected Value, probability, and estimation problems.

Advanced Honors Research Project (AHRP)

Northbrook, IL, Oct 2022 - May 2024

Researcher. Designed and conducted school-wide student survey with 250 responses. Used findings to develop a code of conduct, workshop materials, and education resources on data privacy and digital safety. Authored paper on website cookies and dark designs. Presented findings at AHRP Conference.

HIV Drug Toxicology Research

Northbrook, IL, Jun 2023 - Sept 2023

Researcher. Conducted flow cytometry lab data analysis via GraphPad Prism T-Test and Excel to identify statistically significant relationships between atazanavir doses and excess apoptosis within 24 hours. Authored [paper](#) synthesizing research on dolutegravir metabolism, affected metabolic pathways, and cell culture techniques. Worked under postdoc Lei Zhou in the Yale Paintsil Lab.

Hampshire College Summer Studies in Mathematics (HCSSiM)

Amherst, MA, Jun 2023 - Aug 2023

Student. Accepted into selective summer math program. Applied concepts of group theory, modular arithmetic, graph theory, bijection, set theory, Gaussian integers, information theory, and continued fractions into a culminating individual program portfolio of mathematical proofs. Used LaTeX to write course lecture notes for program journal.

Projects

COVID Wellness App | Developer, 2021

Developed [mobile app](#) that tested users' level of safety in compliance with COVID guidelines, suggested actions to improve safety based on responses. Delegated roles and tasks within development team, one of two developers. Won 2nd Place Best App in CodeHers Hackathon.

Pediatric Illness Education and Community Empowerment | Co-President, 2023-2024

Designed website featuring educational articles about pediatric illnesses, links to other resources. Implemented color and flip CSS elements onto website.

Technical Skills

Programming & Technologies: Java, Python, LaTeX, GraphPad Prism

Languages: Mandarin