

Grace Liu
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Education

Massachusetts Institute of Technology (Cambridge, MA)

- B.S. in Mathematics, 2022-2026
- GPA: 5.0/.50
- Relevant Coursework: Theory of Computation, Intermediate Probability, Intro to Algorithms, Intro to Machine Learning, Fundamentals of Programming, Linear Algebra, Corporate Financial Accounting

Union County Magnet High School (Scotch Plains, NJ)

- GPA: 98/100

Experience

HMMT (Cambridge, MA)

Registration Director, Jun 2023 – present

Outreach Officer, Sep 2022 – Jun 2023

- Managed team registration for 1000+ person competitive math tournament

Boston Chinatown Neighborhood Center (Boston, MA)

Intern, Jun 2023 — Aug 2023

- Created a KPI and impact dashboard using Power BI for BCNC's 7 programs
- Analyzed current member data for patterns to support future decision making
- Leveraged recommendations from Fidelity Investments to enhance user experience and operating efficiency

Codelt (Cambridge, MA)

Student Mentor, Jan 2023 – Jun 2023

- 100+ hours guiding middle-school girls in creating their own games or animations

STEM You Can! (Elizabeth, NJ)

Director, Jun 2019 — Aug 2022

- 50+ hours of workshops explaining STEM concepts and performing hands-on experiments for 20+ children
- Received \$1000+ from grants to create and distribute science experiment kits during COVID-19

Projects

Snake (Python | Pygame)

- Classic snake game where player tries to eat fruit while avoiding itself and walls. Modified so that snake moves faster each time the player scores. [Link](#).

LISP Interpreter (Python)

- Contains variables, operations, Booleans, lists, and functions.

Skills/Awards

- **Skills:** Python, JavaScript, HTML, CSS, Linux, Excel, PowerPoint, Microsoft Power BI
- **Languages:** English, Mandarin
- **Awards:** Valedictorian, 2x AIME Qualifier, ARML 2x Qualifier, USABO National Top 125