Renee Hong

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EDUCATION

Massachusetts Institute of Technology   **Cambridge, MA**
Candidate in BS in Mathematics with Computer Science and BS in Finance   September 2023-May 2027
Relevant Coursework: Fundamentals of Programming, Differential Equations
Member of Startlabs and Entrepong. Events Coordinator for MITxHarvard Women in AI.
Finance Associate for Harvard-MIT Math Tournament. External Relations Chair for Society of Women Engineers (SWE).

Livingston High School   **Livingston, NJ**
GPA: 4.65 | SAT: 1570   September 2019-June 2023
Relevant Coursework: AP Calculus BC, AP Computer Science A, AP Macroeconomics, AP Microeconomics, Intro to Business
Captain of the Livingston Math Team and the Science Bowl Club/Team

EXPERIENCE

Shizen Technologies, MITech Consulting Club   **Cambridge, MA**
Technical Consultant   September 2023-Current
- Developing backend Python infrastructure for Shizen Technologies, a fintech company. Implementing algorithms to analyze sustainability metrics, ultimately powering the company's environmentally-conscious investment recommendations for clients.

Aspiring Scientists' Summer Internship Program (ASSIP)   **Remote**
Selected Participant (1 of 100)   June 2022-August 2022
- Addressed the emergency Ukraine food security crisis using Mathematical Modeling through optimal distribution of food resources.
- Awarded Honorable Mention for research in competition hosted by the National Academies of Sciences, Engineering, and Medicine.

Multiscale RECIPES for Sustainable Food Systems   **Remote**
Student Researcher   October 2021-February 2022
- Researched with a $15mm NSP grant-funded team at American University.
- Conducted in depth data analysis and sustainability research on food waste reduction.

Private Mathematics Tutor   **Livingston, NJ**
Owner   November 2019-August 2023
- Tutored 1000+ hours. Helped 7 students achieve 750+ on SAT Math & 13 students qualify for their MATHCOUNTS teams.

LEADERSHIP/ACTIVITIES

Jane Street WiSE Program   **New York City, NY**
Selected Participant   August 2023
- Explored applications of mathematics and computer science in quantitative trading through guided lectures, discussions, and games.

Heritage Middle School's MATHCOUNTS   **Livingston, NJ**
Coach   September 2019-June 2023
- Organized training for 60+ middle schoolers through problem sets and presented mini lectures.
- Actively doubled total membership, quadrupling female membership. Resulted in 6 Chapter finalists, 2 State qualifiers.

Stanford University Mathematics Camp (SUMaC)   **Remote**
Selected Participant (1 of 60)   June 2021-July 2021
- Studied Abstract Algebra and Number intensely. Presented on Galois Theory and its applications.

JR Math Camp   **Livingston, NJ**
Founder and Instructor   June 2020-August 2021
- Taught 50+ students via Zoom. Donated $6000 to hospitals. Camp featured in local news & online.

AWARDS

- 5x AIME Qualification, 4x MPfG Invitee at MIT, Two Sigma Award Certificate Winner, Maryam Mirzakhani Certificate Winner
- Outstanding Award in SCUDEM VII 2022, 4th Place Team in US Math Competition Association(USMCA) National Championship

SKILLS/INTERESTS

- Technical/Interpersonal Skills: Python, Java, C++, JavaScript, Word, Excel, Team Leadership, Problem Solving, Communication
- Interests: Painting, Reading, Teaching, Scuba Diving, Rock Climbing, Raising Chickens