

Renee Hong

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EDUCATION

Massachusetts Institute of Technology

Cambridge, MA

Candidate in BS in Computer Science and Engineering

September 2023-May 2026

GPA: 5.0/5.0

Relevant Coursework: Fundamentals of Programming, Linear Algebra, Introduction to Algorithms (Spring 2024),

Introduction to Machine Learning (Spring 2024), Probability and Random Variables (Spring 2024)

Member of MITech Consulting Club, 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

Captain of the Livingston Math Team and the Science Bowl Club/Team

EXPERIENCE

Shizen Technologies, MITech Consulting Club

Cambridge, MA

Technical Consultant

September 2023-December 2023

- Automated financial portfolio emissions calculations, targeting a >90% time and cost reduction to embed climate factors and enable low-carbon investments.

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.

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.

PROJECTS/LEADERSHIP/ACTIVITIES

Personal Website

Livingston, NJ

Developer

December 2023

- Website built with HTML and CSS, hosted at reenehong.github.io.

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

- Organized class for 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 Skills: Python, Java, C++, JavaScript, HTML/CSS, Git, React, Node.js, Express, LaTeX, SQL
- Interests: Sustainability, Entrepreneurship, Painting, Teaching, Rock Climbing, Raising Chickens, Scuba Diving (PADI certified)