

Renee Hong

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EDUCATION

Massachusetts Institute of Technology

Cambridge, MA

Candidate in BS in Computer Science and Engineering

May 2026

GPA: 5.0/5.0

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

Member of MITech Consulting Club, StartLabs, and Entrepeng. 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

June 2023

EXPERIENCE

Upduo

Remote

Software Engineering Intern

June 2024-August 2024

- Spearheaded the development of advanced administrative features for the platform, including customizable session filters and CSV data exports, significantly enhancing user data analysis capabilities for high-profile clients such as Amazon Prime. Utilized a tech stack including Dart, Rust, and TypeScript.
- Designed and implemented a responsive web layout, delivering an intuitive, user-centric interface that adapts to various screen sizes.

SIG / Optiver / Jane Street

Philadelphia / Chicago / NYC

Selected Participant

July 2023 / April 2024

- Invited to attend SIG's Trading Discovery Day 2024, Optiver Technology & Trading Insight Days 2024, Jane Street WiSE 2023
- Learned about the different trading firms and developed skills in game theory, probability, and programming for trading

Shizen Technologies, MITech Consulting Club

Cambridge, MA

Technical Consultant

September 2023-December 2023

- Automated financial portfolio emissions calculations for Shizen Technologies, targeting a >90% time and cost reduction to embed climate factors and enable low-carbon investments.
- Facilitated strategic partnerships for MITech Consulting Club by directly engaging with over 15 startup founders, utilizing technical acumen and interpersonal skills to establish collaborative projects.

Aspiring Scientists' Summer Internship Program (ASSIP)

Remote

Selected Participant (1 of 100)

June 2022-August 2022

- Developed an optimized mathematical model using AMPL software to address the Ukraine food security crisis amid the Russo-Ukrainian war, focusing on efficient food distribution from high to low grain production areas.
- Awarded Honorable Mention for research in competition hosted by the National Academies of Sciences, Engineering, and Medicine.

PROJECTS

scoop

Livingston, NJ

Lead Developer

June 2024

- Developed "scoop", a full-stack web application designed to streamline the buying and selling process among college students. Utilized a tech stack including React.js, JavaScript, Express, Node.js, HTML/CSS, and MongoDB.
- Led the design and implementation of RESTful API routes, user authentication systems, and efficient database schemas. Managed project from concept to deployment, fostering a collaborative environment and ensuring alignment with project goals and timelines.
- Won Best UI/UX Hack Award at WaffleHacks, a prestigious global hackathon with over 300 participants.

ADDITIONAL INFORMATION

Awards: 5x AIME Qualification (top 2.5%, scored a 9), 4x Math Prize for Girls Invitee at MIT (top 250 girls in U.S. + Canada, ranked 55 in contest), Two Sigma Award Certificate Winner + Maryam Mirzakhani Certificate Winner (top female scorer in NJ), Outstanding Award in SCUDEM VII 2022, 4th Place Team in USMCA National Championship, 4th Place at MIT's Queens' Full House Poker Tournament

Skills: Python, C++, Dart, Java, JavaScript, TypeScript, React.js, Node.js, HTML/CSS, MongoDB, Rust, Express, Teamwork, Management

Interests: Poker, Teaching, Tennis, Table Tennis, Rock Climbing, Raising Chickens, Scuba Diving (PADI certified)