Jeffrey Li

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Education

Massachusetts Institute of Technology   Cambridge, MA
Bachelor of Science, Computer Science & Engineering   *Exp. May 2027*
Relevant Coursework: Fundamentals of Programming, Linear Algebra, Discrete Math, Programming in C and Assembly, Intro to Machine Learning, Intro to Algorithms, Software Construction, Optimization Methods in Business Analytics

Experience

MIT Media Lab   Cambridge, MA
Undergraduate Researcher   *Sept 2024 – Dec 2024*
- Contributed to development of an intelligent automation tool using Python frameworks such as Langchain and LLMs to enhance liquid handling operations for Opentrons and PyLabRobot in biological applications.

Amazon Web Services   Seattle, WA
Software Development Engineer Intern   *Jun 2024 – Aug 2024*
- Implemented an asynchronous workflow using Java and DynamoDb to initiate the draining process in a new Fargate capability, which improved lifecycle management efficiency.
- Used JUnit and Mockito to develop automated test suites with 90+% code coverage.
- Received return offer for Summer 2025 (Jun 2025 - Aug 2025).

Vibrantec   Remote
Team Lead & Full Stack Developer   *Jan 2024 – Present*
- Building a server-driven UI health app using Flutter and Java, integrating Apple/Google Health APIs for data ingestion, Cloud Translation API for multilingual support, and Firebase for secure media storage. Designed modular architecture to optimize scalability and user experience.
- Led a team of three developers on weekly project tasks, delegating implementation and assisting in debugging

We Care Act NYC   New York, NY
Director of IT & Web Developer   *Mar 2023 – Jun 2023*
- Led website development and project management efforts, including UI/UX changes, SEO enhancement, and e-commerce initiative by managing a team of 5 developers using Next.js, Tailwind, and CMS.
- Assisted in managing over $250,000 in electronics donations, including handling donation and request inquiries.

Memorial Sloan Kettering Cancer Center   New York, NY
Molecular Pharmacology Research Intern   *Aug 2021 – Aug 2022*
- Conducted wet lab experiments in the Grimm Lab using statins to inhibit Feraheme nanoparticle internalization in macrophages, aiming to improve nanomedicine for cancer.
- Developed proficiency in wet lab skills, including cell culture, viability assays, colorimetric assays, flow cytometry, and western blotting.

Activities & Extracurriculars

MIT Sandbox Innovation Fund   *Sept 2024 – Present*
- Co-founder of Casava, the search tool to help students find sublets faster; received $1,500 in pre-seed funding.
- Conducted market research through interviews with rental companies and surveys from 30+ students.

Harvard MIT Math Tournament, *Community Staff*   *Mar 2024 – May 2024*
- Assisted in organizing a high school math tournament by catering food and supporting logistical operations.
- Coordinated catering and organized team-building events, including a staff bowling event for 50+ participants.

Awards & Skills

Amazon Future Engineer Scholar: Among the top 400 students in the nation awarded a $40k scholarship and a software engineering internship with Amazon.
Programming: Java, Python, C, HTML, CSS, Node.js, React.js, Next.js, Tailwind, Javascript, Typescript, Dart, Flutter, Swift, Firebase, DynamoDB, MySQL, PostgreSQL, AWS, PyTorch.
Languages: English, Mandarin – *All professional proficiency or above.*