

# Jessica Chen

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## EDUCATION

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**Massachusetts Institute of Technology (MIT) | Cambridge, MA**

**Bachelor of Science in Computer Science**

**Class of 2026**

**Current Coursework:** Quantitative Methods for Natural Language Processing, Computation Structures

**Relevant Courses:** Software Construction, Introduction to Machine Learning, Introduction to Algorithms, Introduction to Low Level Programming in C and Assembly, Linear Algebra

## EXPERIENCE

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**Introduction to CS and Programming in Python | Lab Assistant**

**Sep 2024 - Present**

- Provided guidance for students with questions about their problem sets during office hours and performed checkoffs to ensure sufficient understanding of the material
- Proofread, debugged, and wrote example solutions for the problem sets in the class

**Design and Development of Participatory Simulations | MIT STEP Lab**

**Jun 2024 - Present**

- Developed a suite of mobile and desktop-enabled gamified activities to promote interactive and inquiry-based learning in a classroom setting
- Designed user interfaces and prototypes in Figma, enhancing accessibility and usability
- Implemented activities using JavaScript, React, and Google Firebase, ensuring web-browser compatibility

**App Accelerator | Everyone Can Code Chicago Program**

**Sep - Dec 2023**

- Collaborated in a team of 4 to design an app integrating the Yelp API for connecting friends through restaurants
- Performed iOS app development using Swift and Google Firebase, publishing multiple versions to the Apple store
- Prepared presentations for three demo days and crafted a website and final product deck for a product launch to an audience of 30+ industry partners and mentors

**Web Lab | Project-based Web Development Class**

**January 2023**

- Created a blog for users to interact with others through daily prompts using JavaScript, HTML/CSS, and MongoDB and deployed the web app on Heroku

## EXTRACURRICULARS

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**MIT Educational Studies Program (ESP)**

**Sep 2022 - Present**

*Splash Director, May - November 2023*

- Organized a weekend-long learning program on MIT's campus, featuring 300+ classes taught by MIT students and Boston-area educators for 1200+ high schoolers
- Managed 15+ small teams of subdirectors to oversee program logistics including morning check-in, security, student/teacher food, class supplies, etc.

**DynaMIT**

**Aug 2023, 2024**

- Mentored underserved middle schoolers on mechanical engineering, chemistry, biology, environmental science, math, and computer science activities over the course of a week
- Empowered students to code their own project on PictoBlox, presented in the closing ceremony to families.

**Other activities:** Next House (dorm) Social Chair, MIT LIVE (music group), MIT ESP Secretary, Resident Peer Mentor

## SKILLS

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**Programming Languages:** Python, JavaScript/TypeScript, HTML/CSS, Swift, Java, C

**Computer software/frameworks:** Git, ReactJS, NodeJS, Google Firebase