

# Kaylee Sweet

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## EDUCATION

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### Massachusetts Institute of Technology

Cambridge, MA

*Candidate for Bachelor's in Computer Science and Engineering, GPA 4.5/5.0*

- Relevant Coursework: Machine Learning, Design and Analysis of Algorithms

Aug 2022 — May 2026

## PROJECTS

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### PDF Reader

Cambridge, MA

*SEO Tech Developer / Full Stack Engineer*

Current

- Developing a web application that allows users to upload PDFs, scans the document, and reads the content aloud. Includes user authentication and an SQLite database to store audio files

### QuickTrivia

Cambridge, MA

*SEO Tech Developer / Full Stack Engineer*

July 2024

- Developed an engaging web-based trivia game that fetches questions from an open-source trivia API and dynamically displays them to users. Hosted the application on a cloud-based hosting service
- Integrated ChatGPT API to fetch AI-driven commentary and provide users with entertaining feedback after answering each trivia question, enhancing the user experience

## WORK EXPERIENCE

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### Liberty Mutual Technology Group Inc.

Portsmouth, NH

*Data Analytics Team / Full Stack Engineering Intern*

Jun 2024 — Aug 2024

- Refactored and deployed a web application by creating new API endpoints to integrate MongoDB and PostgreSQL databases, and implemented front-end enhancements using React.js to improve user experience
- Achieved up to 2x efficiency by integrating an AI-based end-to-end testing tool, streamlining the testing process for team applications

### MIT Programming Course

Cambridge, MA

*Teaching Assistant*

Aug 2023 — May 2024

- Enhancing comprehension of complex programming topics such as recursion, graph search, and inheritance for Fundamentals of Programming (6.1010), a class of 300+ students
- Guiding 50+ students per week on programming lab assignments

### MIT Comparative Media Studies

Remote

*Undergraduate Researcher*

June 2023 — Aug 2023

- Implemented teacher dashboard feature by creating a Django REST API to display live data
- Conducted detailed analysis of student performance under various educational methods to optimize place-based education and project-based learning

### MIT Research Lab of Electronics

Cambridge, MA

*Undergraduate Researcher*

Jan 2023

- Programmed an animation of the energy dynamics of a superconducting digital logic nanostructure with Matplotlib and SciPy

## SKILLS/INTERESTS

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**Computer:** Python, Java, C & Assembly, Git, HTML & CSS, JavaScript, React.js, SQLite

**Languages:** English, Japanese

**Extra-curriculars:** Sakata Afrique Club Co-choreographer, Treasurer of MIT black women's cultural living group