

Ashley Davis

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EDUCATION

Northeastern University

Bachelor's of Science in Computer Science, Concentration in Software

Boston, MA

Sep. 2021 – April 2025

EXPERIENCE

IT Engineering Co-op

The TJX Companies

Jan. 2024 – June 2024

Framingham, MA

- Assisted the Global Solutions team with the development and connection of their latest Java Spring Boot Warehouse Application to the preexisting mainframe
- Authored documentation for new features and existing systems, facilitating easier onboarding for new team members and ensuring consistent project knowledge transfer
- Developed solutions for bug fixes, created unit testing plans, and collaborated with the QA test to successfully promote changes to production

Lead Teaching Assistant

Northeastern University

Dec. 2024 – Present

Boston, MA

- Managing a team of 8 teaching assistants, acting as a liaison between them and the professor
- Overseeing course logistics including homework scheduling & grading, exam grading, and office hours

Teaching Assistant: Database Design

June 2024 - Dec. 2024

- Taught principles of relational algebra, database design, and graded homework assignments
- Constructed and implemented database model that mimics large scale streaming service to be incorporated into school curriculum
- Held weekly office hours to help students with challenging concepts and homework questions

Teaching Assistant: Mathematics of Data Models

Dec. 2022 - Dec. 2023

- Taught foundations of linear algebra, probability and statistics, and machine learning in Python
- Led office hours to assist multiple sections of students with understanding course material
- Attended lectures/exam sessions to monitor students and answer in-class questions
- Developed assignments and answer keys in Latex and answered questions on Piazza (Q&A platform)

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL/MySQL, Typescript/JavaScript, HTML/CSS

Frameworks: React, Node.js, Flask, JUnit, Bootstrap

Developer Tools: Git, Docker, Visual Studio Code, PyCharm, IntelliJ, Eclipse, Datagrip

Libraries: Axios, Jest, NumPy, Pandas, Matplotlib

PROJECTS

North Star | *Mongo, Express, React, Node.js*

Nov. 2024 – Dec. 2024

- Engineered a responsive space-themed Q&A platform supporting over 150 concurrent users, authenticated via Firebase
- Maintained an existing CI/CD pipeline and built one new pipeline using GitHub Actions, ensuring zero downtime during schema migrations
- Delivered 6 research stories and launched 12 novel features within a 5-week sprint, significantly enhancing product capabilities and user experience

Duolingo Github Widget | *Express, React, Node.js, Duolingo API*

Dec. 2024

- Developed a customizable widget integrating duolingo streak tracking, leveraging APIs to fetch real-time data for user profiles
- Designed and implemented supplemental site where users can modify widget with live updates and can export to markdown format

Spotify Unwrapped | *React, Bootstrap, Spotify API*

Oct. 2023 – Dec. 2023

- Constructed a web application that leverages the Spotify API to challenge users in identifying songs from their favorite playlists