

# Ashley Davis

(973) 897-7712 | davis.ash@northeastern.edu  
ashleytdavis.github.io | linkedin.com/in/ashleytdavis | github.com/ashleytdavis  
Available January 2024 – August 2024

## EDUCATION

**Northeastern University**, Boston, MA

Expected Graduation: May 2025

**Khoury College of Computer Sciences**

*Bachelor of Science in Computer Science, Concentration in Software, Minor in Mathematics*

**Relevant Coursework:** Object Oriented Design | Algorithms and Data Structures | Logic and Computation | Foundations of Cybersecurity | Programming in C++ | Discrete Mathematics | Calculus 3 for Science and Engineering | Differential Equations and Linear Algebra | Mathematics of Data Models | Theory of Computation

**Honors:** **GPA: 3.3 / 4.0** | Dean's List

**Activities:** Northeastern Club Fencing | Northeastern Women in Technology

## EXPERIENCE

**Teaching Assistant for CS2810 Mathematics of Data Models** | Boston, MA | December 2022 – Present

- Taught foundations of linear algebra, probability and statistics, and machine learning
- Lead office hours to assist multiple sections of students with understanding course material and attend exam sessions to monitor students and answer in-class questions
- Answer questions on class forums and grade over 360 papers within 4 days

**Oasis at Northeastern** | Boston, MA | January 2023 – April 2023

- Brainstormed and developed a semester-long full-stack project with a team
- Attended weekly hack sessions to learn project management and website/app development skills

## TECHNICAL KNOWLEDGE

Programming: Java | Python | C++ | HTML | CSS | Javascript | React | Racket | ACL2s

Tools/Technology: Git | VSCode | IntelliJ | PyCharm | Microsoft Office | Adobe Creative Suite | Linux | Windows

## PROJECTS

**Layered Photo Manipulator** | Java

- Academic project that implemented an object-oriented design construction
- Utilized Java Swing GUI that allows users to interact and manipulate contents of a desired image
- Program only allowed for manipulation of approved photo types, which included PNG, PPM, and BMP.
- Implemented a text-based controller that allowed for users to edit photos through a script inputted into the console

**Workout Planner** | Javascript | HTML | CSS | React | Bootstrap

- Web application that uses OpenAI API integration to generate and display a workout plan tailored to the user's request
- Application developed using React and Bootstrap framework

**Maze Solver** | Java

- Program generates a maze using Kruskal's algorithm with a series of edges and cells, ensuring the maze is solvable every time
- Users have the option to solve the maze using Breadth First Search or Depth First Search