

# Matthew C. McCoy

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## WORK EXPERIENCE

### Symbotic, Wilmington, MA

Software Engineer

Start Date: June 2024

Test Automation Engineer Co-op

July – Dec. 2023

- Implemented a configuration file compare tool eliminating any human error that could have been caused while deploying these files on to sites
- Developed Unit Tests in C# deployed on a Jenkins pipeline, to verify the correctness of numerous Add-On Instructions

### HighRes Biosolutions, Beverly, MA

Software Engineer Co-op

July – Dec. 2022

- Implemented an internal customizable simulated inventory scan using C# that reads labware lookup codes from a JSON file making debugging customer issues with their inventory easier
- Designed and implemented the new user-interface for Settings and Hardware Version About pages using TypeScript, React.JS, and Tailwind CSS

### Khoury College of Computer Sciences, Boston, MA

Teaching Assistant and Lab Lead for Fundamentals of Computer Science

Sept. 2021 – Apr. 2022

- Managed a lab section of over 30 students and collaborated with two other Teaching Assistants to teach programming concepts and manage lab logistics
- Conducted weekly office hours to introduce students to programming and fostering good coding practices

## PROJECTS & VOLUNTEER EXPERIENCE

**Popcorn Streaming** | TypeScript, React.JS, Tailwind CSS, NextJS, SQLite, & Prisma

Mar. – May 2024

[popcorn-streaming.vercel.app](https://popcorn-streaming.vercel.app)

A web application that allows users to sign in utilizing OAuth services and view what platforms movies are streaming on

- Developed a full stack website deployed on Vercel, utilizing an SQLite Database to store user information like username, likes, followers, and comments
- Integrated with an external API to display movie information like trailers, posters, and streaming platforms
- Connected external OAuth options to allow users to sign in with GitHub or Discord

### Generate Product Development, Northeastern University

Software Technical Lead - Care-Wallet | Go, TypeScript, React Native, NativeWind, & PostgreSQL

Dec. 2023 – Apr. 2024

A mobile app that kept track of tasks for families and caregivers dealing with a patient with Dementia or Alzheimer's

- Led a team of 8 Engineers, guiding team members with troubleshooting technical issues, while overseeing software quality
- Developed numerous frontend pages and API end points all documented using Swagger
- Integrated AWS S3 buckets into the app for secure file upload, download, and viewing by users
- Wrote numerous tickets focusing development on key features laid out in the project's charter

Software Engineer - SaluTemp | Go, TypeScript, React Native, & CSS

Oct. – Dec. 2023

A mobile app which stored information like light, humidity, and temperature sensitivity for a user's medications

- Created front-end components and pages aligning with Figma mock-ups developed by team designers
- Developed numerous shared components that were used across the mobile application by multiple developers

Software Engineer - Website | JavaScript, React.JS, & CSS

Sept. – Oct. 2023

[generatenu.com](https://generatenu.com)

- Developed front-end components and pages following Figma mock-ups built by team designers
- Ensured responsive design throughout the club's website through fixes to legacy pages and while developing new pages

**Covey Town – Checker Game** | TypeScript & React.JS

Jan. – Apr. 2023

A new feature in Covey Town, an open-source software, enabling two users to play checkers on two different devices

- Established a robust CI/CD environment for the project by deploying the front-end on Netlify and back-end on Heroku
- Ensured adherence to RESTful principles when building the API for seamless communication between frontend and backend models

## EDUCATION

Northeastern University, Khoury College of Computer Sciences, Boston, MA

May 2024

Bachelor of Science in Computer Science

GPA: 3.51/4.00

## COMPUTER KNOWLEDGE

**Languages:** Java | C# | Go | TypeScript | JavaScript | CSS

**Software & Tools:** IntelliJ | Visual Studio Code | Visual Studio | Docker | GitHub | Git | Jira | Bitbucket | GitLab | Figma | GitHub Desktop