

Matthew C. McCoy

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Availability: Full Time - May 2024

EDUCATION

Northeastern University, Khoury College of Computer Sciences , Boston, MA	Jan. 2021 - Present
Candidate for Bachelor of Science in Computer Science	Expected May 2024
Honors:	GPA: 3.51/4.00 Dean's List
Coursework:	Fundamentals of Computer Science I and II, Mathematics of Data Models, Object-Oriented Design, Algorithms & Data Structures, Computer Systems, Fundamentals of Software Engineering

COMPUTER KNOWLEDGE

Languages:	Java C# TypeScript JavaScript
Software:	IntelliJ Visual Studio Code Visual Studio Eclipse GitHub Git Jira Bitbucket GitLab
Libraries & Frameworks:	React.JS React Native Tailwind CSS Material UI

WORK EXPERIENCE

<i>Test Automation Engineer Co-op, Symbotic</i> , Wilmington, MA	July 2023 – Present
<ul style="list-style-type: none">Implemented a configuration file compare tool that compared a JSON file against an XML file and a Binary File in C# eliminating any human error that could have been caused while deploying these files on to sitesDeveloped Unit Tests in C# deployed on a Jenkins pipeline, to verify the correctness of numerous Add-On Instructions on Programmable Logic Controllers ensuring peace of mind when installing on customer sites. working alongside PLC Developers to debug and perform root cause analysis on test failuresMonitored the Jenkins testing pipeline, debugging failed tests and communicating to developers if changes needed to be made to the tests or to the Add-On Instructions directly	
<i>Software Engineer Co-op, HighRes Biosolutions</i> , Beverly, MA	July – Dec. 2022
<ul style="list-style-type: none">Programmed in C# to create a software development kit that facilitates the usages of the API, ensuring a faster integration of the software into customer systemsImplemented an internal customizable simulated inventory scan using C# that reads labware lookup codes from a JSON file making debugging customer issues with their inventory easierCollaborated with colleagues in the Marketing, Quality Assurance, and Software Engineering teams to implement and design the new user-interface for Settings and displaying the version numbers of the hardware using React and Typescript	
<i>TA and Lab Lead for Fundamentals of Computer Science, Khoury College</i> , Boston, MA	Sept. 2021 – May 2022
<ul style="list-style-type: none">Managed a lab section of over 30 students and collaborated with two other Teaching Assistants to teach programming concepts and manage lab logistics for Fundamentals of Computer ScienceConducted weekly office hours to introduce students to programming and foster good coding practices	

PROJECTS

<i>SaluTemp Software Engineer - Generate Product Development</i> TypeScript & React Native	Oct. 2023 – Present
<ul style="list-style-type: none">Created front-end elements and pages using TypeScript, React Native, and CSS, aligning with Figma mock-ups developed by our team of designersDeveloped shared components that were used across the mobile application by multiple developers	
<i>Website Software Engineer - Generate Product Development</i> JavaScript & React.JS	Sept. 2023 – Oct. 2023
<ul style="list-style-type: none">Developed front-end components and pages utilizing JavaScript, React.JS, and CSS following Figma mock-ups built by team designers, while ensuring responsive design throughout the club's website through fixes to legacy pages and while developing new pagesCollaborated with team members to rectify issues and foster a unified approach to coding standards across newly developed components and revamped legacy pages	
<i>Covey Town – Checker Game</i> TypeScript & React.JS	Jan. 2023 – May 2023
<ul style="list-style-type: none">Designed and implemented a new feature in Covey Town, an open-source software, enabling two users to play checkers using Typescript and React for the front and back-endEnsured adherence to RESTful principles when building the API for seamless communication between front and back-end modelsEstablished a robust CI/CD environment for the project by deploying the front-end on Netlify and back-end on Heroku, enabling continuous monitoring and streamlining the development process	