Matthew C. McCoy

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Availability: July – December 2023

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: 3.60/4.00 | Dean's List
Coursework: Fundamentals of Computer Science I and II, Mathematics of Data Models, Object-Oriented Design, Foundations of Cybersecurity, Algorithms & Data Structures, Computer Systems, Fundamentals of Software Engineering

Wentworth Institute of Technology, Boston, MA — Sept. 2019 – Dec. 2020
Candidate for Bachelor of Science in Computer Science
Honors: GPA: 3.80/4.00 | Dean's List
Coursework: Computer Science I and II, Data Structures, Network Programming
Activities: Phi Sigma Pi Honors Fraternity

COMPUTER KNOWLEDGE

Languages & Libraries: Java | C# | TypeScript | React | Racket | C | JavaScript
Software: IntelliJ | Visual Studio Code | Visual Studio | Eclipse | GitHub | Git | Jira | Bitbucket
Systems: Mac OS | Windows | Linux

WORK EXPERIENCE

Software Engineering Co-op – Solution Team, **HighRes Biosolutions,** Beverly, MA — July – Dec. 2022
- Created a Software Development Kit that facilitates usages of the API using C#, used in integration testing to make the tests simpler and easier to read
- Implemented a customizable simulated inventory scan using labware lookup codes from a JSON file using C#, used to help debug customer issues
- Collaborated with Marketing, Quality Assurance, and the members of my team to implement and design the new user-interface for Settings and displaying the version numbers of the hardware using React and Typescript
- Utilized Jira and Bitbucket daily to manage sprint tasks, participate in code reviews, and document found bugs in the software.

TA and Lab Lead for Fundamentals of Computer Science II, **Khoury College**, Boston, MA — Jan. – May 2022
- Led a lab section of over 30 students and 2 other Teaching Assistants to introduce labs and handle the logistics of the lab section
- Held weekly office hours to introduce students to Java and help them develop good coding habits
- Worked with over 60 other Teaching Assistants for grading assignments, labs, and exams

TA for Fundamentals of Computer Science I, **Khoury College of Computer Sciences,** Boston, MA — Sept. – Dec. 2021
- Held weekly office hours introducing students to Racket and essential programming principles
- Collaborated with over 70 other TAs in the grading of assignments, labs, and exams

IT Intern, **Chemic Laboratories Inc.**, Canton, MA — Dec. 2019 – Jan. 2020
- Installed the suite of company-issued security and productivity applications
- Assisted in the deployment of numerous new enterprise workstations following the cGxP policies and procedures

PROJECTS

Image Processor | *Java* — Oct. 2021 – Dec. 2021
- Created an image processor in Java utilizing Swing for a GUI and use of command line arguments; the image processor allows the user to load, mutate, and save the image to the user's computer
- Applied the MVC architecture to separate all the functions and organize the structure of the application

Marble Solitaire | *Java* — Sept. 2021 – Oct. 2021
- Created a Java version of a Marble Solitaire game that allows a user to play in 3 different styles of board types (English, European, and Triangular); the game utilizes MVC architecture to organize the structure of the application and separate each of its functions

INTERESTS

Aerial Photography and Videography, Hiking, Kayaking, Board Games, Rock Music