Matthew C. McCoy

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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

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: Java | C# | Python | Racket | C | JavaScript
Software: IntelliJ | Visual Studio Code | Visual Studio | Eclipse | PyCharm | Spyder | GitHub | Git
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 will facilitate usage of the API, which was then used in integration testing to make the tests simpler and easier to read
- Implemented a customizable simulated inventory scan using labware lookup codes in which can be used to help debug customer issues.

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
- Collaborated 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
- Learned how a small company stores data, manages infrastructure, and protects its computer systems and networks

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

Agar.IO | *Java*   March 2020
- Utilizes Object-Oriented programming and JavaFX for GUI to develop a Java version of the Agar.IO online game that allows the user to play against AI with a random amount of aggressiveness

INTERESTS

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