Matthew Faucher

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Education

Northeastern University - Boston, MA
Master of Science in Computer Science; GPA: 3.85 Sep. 2020 – Present

Relevant Coursework:

- Algorithms, Object Oriented Design, Discrete Structures
- Data Structures, Algorithms, and Their Applications Within Computer Systems
- Web Development, Intensive Foundations of Computer Science

Endicott College - Beverly, MA
Bachelor of Science in Biology/Biotechnology Sep. 2015 – May 2019

Skills

Languages: Java, C, Python, C#

Operating Sytems: Linux/Debian, MacOS, Windows 10

Technologies & Software: Bash/Shell, Git, Vim, Jira, Agile Software Development, JSON, REST API

Experience

Sensitech - Beverly, MA
Software Engineer Co-op Jan. 2020 - Aug. 2020

- Implemented REST API processor in C for Jira Server API JSON objects to accumulate ticket, epic, bug, and feature data for upcoming software release and update
- Compiled and delivered validation packages containing release documentation that was subsequently converted to interactive .NET application with Windows Forms
- Collaborated with Quality Assurance team to ensure all release information was valid and correctly populated

Projects

Mini-Shell
github.com/mattfaucher/mini-shell Feb. 2021

- Assembled a command line text processing program to interpret bash commands in C
- Integrated bash pipe command from scratch as well as multiple custom commands that allow users to access machine specific data

Memory Game
github.com/mattfaucher/MemoryGame Dec. 2020

- Designed an interactive memory game using the turtle library in Python to generate a responsive user interface
- Devised a user centered leaderboard formatted and saved locally as a JSON file, the program reads from this leaderboard after each turn creating a more enticing overall game experience by driving up competition
- Established proper object oriented design to enable simpler code modularity