Deanna Turner

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Availability: May – August 2024

Education

Northeastern University	Boston, MA
Khoury College of Computer Sciences	Expected May 2025
Candidate for B.S in Computer Science and Music Technology	Sep. 2021 – Present

GPA: 3.71/4.00

Honors/Awards: Dean's Scholarship, Dean's List (all eligible semesters)

Relevant Coursework: Graduate: Algorithms, Database Management Systems; Undergraduate: Object-Oriented Design, Computer Systems, Embedded Audio Programming, Acoustics and Psychoacoustics

Technical Knowledge

Languages: Java, Python, JavaScript, HTML/CSS, C++, Bash, Racket/Lisp, C, SQL, TypeScript

Frameworks/Tools: Vue, React, Node, Git, Docker, Elasticsearch, Vim

Systems: macOS, Linux, Windows

Work Experience

Full Stack Web Development Co-op	Jun. – Dec. 2023
The MITRE Corporation	*Bedford, MA*

- Maintained and updated frontend (Vue) and backend (Node) for 4 company-wide web apps
- Extended support for an existing app's API to utilize project data from Clarity
- Updated Elasticsearch ETL pipelines to pull in new data from Denodo views via Python and shell scripts to support multiple substantial releases of a company-wide SPA
- Assumed extra frontend development responsibilities to assist team in meeting project deadline

Teaching Assistant – Fundamentals of Computer Science 1	Sep. 2022 – May 2023
Northeastern University	*Boston, MA*

- Held weekly office hours for 700+ students to provide support on course topics and assignments
- Hosted a weekly lab for 30+ students to solidify understanding of programming design principles
- Graded and provided constructive feedback on 15 homework and lab assignments per week

Projects

MBTA Closure Map	*Vue, Node, REST APIs, MongoDB* — Dec. 2023 – Present	

- Create a visualization of all MBTA train lines and any respective closures
- Store line information in MongoDB and refresh it every 24 hours

Image Processor | *Java, JUnit, Swing, GitHub*   Oct. - Nov. 2022

- Designed an image processing program utilizing MVC architecture and command design pattern
- Implemented support for blur, sharpen, filter, flip, load and save operations
- Utilized test-driven development through use of the JUnit testing framework

Ms. Fens' Gaggle | *Vue, TypeScript, HTML*   Feb. 2022

- Created a game where players aim to breed a goose with a combination of the best possible traits
- Rendered display of each goose's traits, and composed background music
- Worked on a team with 5 others and submitted the project as a part of HackBeanpot 2022