

Deanna Turner

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Availability: June – December 2023

Education

Northeastern University

Boston, MA

Khoury College of Computer Sciences

Expected May 2025

Candidate for B.S in Computer Science and Music Technology

Sept. 2021 – Present

GPA: 3.8/4.0

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

Relevant Coursework: Object-Oriented Design, Algorithms (graduate), Fundamentals of Computer Science, Foundations of Cybersecurity, Computer Music Fundamentals, Acoustics and Psychoacoustics

Technical Knowledge

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

Frameworks/Tools: React.js, Node.js, Bash, Git, IntelliJ, PyCharm, VS Code, Eclipse

Libraries: numPy, pandas, Matplotlib

Systems: macOS X, Ubuntu Linux

Work Experience

Teaching Assistant – Fundamentals of Computer Science 1

Sept. 2022 – Present

Northeastern University

Boston, MA

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

Projects

Discogra.py | *Python, Jupyter Notebook, numPy, pandas, Matplotlib*

Mar. 2023 - Present

- Assembling 2 datasets for the 200+ albums and singles in my personal record collection
- 1 dataset is for albums, 1 dataset is for singles, containing information pulled from Discogs.com
- Constructing plots that visualize various attributes such as genre and location of pressing
- Compiling findings in an easy-to-read manner using Jupyter Notebooks

Personal Website | *React.js, Node.js, HTML, CSS, Spotify Web API*

Mar. 2023 - Present

- Implementing CI/CD to deploy updated versions of the site to GitHub Pages
- Integrating Spotify's Web API to make a web player that automatically plays background music

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

Interests

Music Production, Record Collecting, Martial Arts, Mixed-Media Drawing, Board Games, Minecraft