

Zoey Guo

Boston, MA | (319) 427-1283 | guo.zoe@northeastern.edu | www.linkedin.com/in/zoeyjguo

EDUCATION

Northeastern University

Boston, Massachusetts

Khoury College of Computer Sciences

Sep 2022 – May 2026

Candidate for Bachelor of Science in Computer Science with a Concentration in Artificial Intelligence

GPA: 3.8 / 4.0

Honors & Awards: Dean's List, Dean's Scholarship

Relevant Coursework: Algorithms & Data Structures, Object Oriented Design, Foundations of Software Engineering, Machine Learning I, Artificial Intelligence

TECHNICAL KNOWLEDGE/SKILLS

Languages: Java | Python | C# | SQL | C | TypeScript | HTML | CSS | Bash
Software: Docker | Git | MongoDB | MySQL | Jupyter Notebook | Jira
Frameworks: JUnit | .NET 8 | MSTest | Angular
IDEs: VS Code | Visual Studio | IntelliJ | Eclipse

PROJECTS

Road Trip Tunes – HackBeanpot 2025 | *React, TypeScript, CSS, GitHub*

February 2025

- Part of a 4-person team, developed an application that auto-generates Spotify playlists for road trips using start/end locations and tourist attractions along the route
- Integrated Spotify, Google Maps, and Generative AI APIs to deliver custom playlist curation
- Implemented Spotify authentication and automated playlist addition to user accounts

State Hygienics Lab | *C#, .NET 8, GitLab, GitKraken*

June 2024

- Updated a console application that split large PDFs into individual files, parsed and edited their content, and sorted the files into groups depending on certain attributes
- Refactored code from .NET 4 to .NET 8, decreasing runtime by 66% and increasing scalability and efficiency
- Developed unit and integration tests using MSTest and Moq, reaching 82% code coverage

EXPERIENCE

Single Use Manufacturing Intern

Rensselaer, New York

Regeneron Pharmaceuticals

May 2025 – Aug 2025

- Developed a chatbot to assist users in troubleshooting common issues encountered while using the Manufacturing Execution System (MES)
- Leveraged a Retrieval-Augmented Generation (RAG) model to reference MES-verified documentation when formulating responses, ensuring accurate and reliable answers
- Wrote comprehensive technical documentation to support future iterations and improvements, providing a scalable framework for development

Head Teaching Assistant for Fundamentals of CS I & II

Boston, Massachusetts

Northeastern University

Sep 2023 – April 2025

- Assisted classes of 500+ students with assignments and concepts, such as recursion, accumulators, abstraction, and introductory program design, covered in CS2500 and CS2510
- Held 5-6 hours of office hours and supported in leading a lab of 30 people weekly
- Graded and provided extensive feedback on assignments submitted by students

Programmer Analyst Intern

Iowa City, Iowa

University of Iowa

May – August 2024, Dec 2024 – Jan 2025

- Built console applications in C# with a .NET 8 framework using Visual Studio
- Refactored applications centered on converting file types to another and PDF manipulation, such as splitting pages and embedding text
- Implemented and edited error handling logic to gracefully exit applications and notify users through detailed logs, reports, and automated emails

PUBLICATIONS

Patterson D., Torre, J., **Guo, Z.**, & McBride, T. (2025). Equity Guided Tutoring: a Scalable, TA-Run Approach.