AMIIN MUSE

(773)-961-9545 | amiinmuse2025@u.northwestern.edu | LinkedIn | Github | Website

EDUCATION

Northwestern University — **Evanston, IL**
B.S. Computer Science, Minor in Data Science and Engineering — *Anticipated Graduation: June 2025*
- **Major GPA:** 4.0/4.0
- **Relevant Courses:** Codepath Intermediate Software Engineering, Intro to OOP (C/C++), Data Structures & Algorithms, Linear Algebra and MATLAB, Discrete Math, Data Engineering (Tableau, AWS, & Python), Intro to Artificial Intelligence

EXPERIENCE

Fermi National Accelerator Laboratory — **Batavia, IL**
Science & Technology Intern — *June 2023 – Present*
- Developing an ML application from scratch to enhance data search for 30+ researchers, engineers, and staff at Fermilab
- Utilizing Natural Language Processing (NLP) techniques, the NLTK Python Library, and TensorFlow to improve data access and retrieval, streamlining the workflow for 10+ departments and projects

Northwestern University Information Technology — **Evanston, IL**
Student Technician — *April 2022 – June 2023*
- Provide technical support for 50+ classrooms, resolving computer software and hardware issues for 100+ students and faculty
- Resolve issues in a fast-paced, high-pressure environment through collaboration with 6 Visual/Audio IT professionals

Northwestern University Computer Science Department — **Evanston, IL**
Peer Mentor/Teaching Assistant (Python) — *Nov 2022 – April 2023*
- Conducted weekly office hours to help 100+ students with debugging assignments, in-class activities, and final project
- Lead 6+ weekly programming office hours to support students' understanding of Object Oriented Programming

PROJECTS

NeuroNet — **Evanston, IL**
IEEE Northwestern Chapter - Technical Program — *January 2023 – April 2023*
- Collaborated with a team of 5 to build NeuroNet, a deep learning Machine Learning model capable of analyzing 3D MRI images and detecting Alzheimer's early with an accuracy of 94%
- Awarded "Best of Overall Project" among 14 teams for outstanding contributions to Nueronet's design, technology & impact

FareShare — **Evanston, IL**
WildHacks - Northwestern University's Largest Hackathon — *April 2022*
- Coded and launched FareShare, an official website connecting Northwestern students for ridesharing to and from Chicago airports, utilizing Javascript, react, CSS, HTML, Bootstrap, and Supabase with a team of 4
- Utilized Supabase and Bootstrap for streamlined and intuitive user experience, data management, and responsive web design

Design Thinking and Communication II — **Evanston, IL**
Northwestern University - McCormick School of Engineering — *March 2022 – June 20222*
- Led a team of 4 to design an app identifying plants in the Shakespeare Garden for a client from the Garden Club of Evanston
- Conducted user testing sessions and incorporated feedback to improve user experience and the app's usability

Web Portfolio — **Evanston, IL**
Personal Website — *September 2022 – January 2019*
- Created a custom HTML, CSS, and Javascript website to showcase projects, work experience, and contact information
- Employed streamlined static web hosting by using GitHub pages to optimize web development

Battleship Game — **Evanston, IL**
Northwestern University, Fundamentals of Computer Programming 2 — *September 2022 – January 2019*
- Constructed Battleship game from scratch using Northwestern's GE211 game engine in a C++ development environment
- Built user-interactive GUI using Model-View-Controller architectural pattern to enable player-driven gameplay

ACTIVITIES & LEADERSHIP

President, Northwestern University's National Society of Black Engineers (NSBE) Chapter — *March 2023 – Present*
- Led a group of 13 executive board members and planned 4+ major events for 200+ engineering students at Northwestern

Co-Vice President, Northwestern University Emerging Coders — *September 2022 – Present*
- Spearheaded and facilitated 3+ internship and research panels for 30+ students collaborating with professors and clubs

Team Lead, Northwestern University Information Technology — *February 2022 – Present*
- Led a team of 7 members and conducted weekly training sessions to improve students' technical software and hardware skills

SKILLS & INTERESTS

Skills/Technologies: HTML, CSS, JavaScript, React, React Native, Python, C/C++, Racket, MATLAB, PHP, Tableau, Pandas, AWS

Interests: Reading, Coding, Soccer, Traveling, Web Development, Drawing

Languages: Somali (native), English (Fluent), Arabic (Intermediate), Spanish (Beginner)