AMIIN ISMAIL MUSE

(773)-961-9545 | amiinmuse2025@u.northwestern.edu | linkedin.com/in/amiin-muse | github.com/AmiinMuse

EDUCATION

Northwestern University   **Evanston, IL**
Bachelor of Science in Computer Science, Minor in Data Science and Engineering   *Anticipated Graduation: June 2025*
- **GPA:** 3.39 | **Major GPA:** 3.74
- **Relevant Courses:** Codepath Intermediate Software Engineering, Data Structures & Algorithms, Linear Algebra and MATLAB, Data Engineering, Intro to Artificial Intelligence, Human-Computer Interaction, Discrete Mathematics

SKILLS & INTERESTS

Skills/Technologies: HTML, CSS, JavaScript, React, Java, Python, C/C++, Racket, MATLAB, PHP, Pandas, Unix/Linux, Docker
Interests: Reading, Coding, Soccer, Traveling, Web Development, Drawing
Languages: Somali (native), English (Fluent), Arabic (Intermediate), Spanish (Beginner)

EXPERIENCE

Salesforce Inc.   **San Francisco, CA**
Incoming Software Engineer   *July 2025*
Software Engineer Intern   *June 2024 – Sep 2024*
- Optimized LLM intent detection for **Einstein Bots**, achieving near-perfect accuracy (from **97%** to **99-100%**) while reducing training data by **95%** through advanced prompt Engineering
- Implemented LLM client using **Java**, **Spring Boot**, and **Python** to build a hybrid bridge between Salesforce's **Einstein bots and Copilot** to improve bot response accuracy

Fermi National Accelerator Laboratory   **Batavia, IL**
Machine Learning Intern   *June 2023 – August 2023*
- Contributed to an ML application to enhance data search for 30+ researchers, engineers, and staff at Fermilab
- Utilized Natural Language Processing (**NLP**) techniques, the **NLTK** Python Library, and TensorFlow to improve data access and retrieval, resulting in a **90%** model accuracy result rate.

Northwestern University Information Technology   **Evanston, IL**
Student Technician   *April 2022 – June 2024*
- 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

PROJECTS

NeuroNet   **Evanston, IL**
IEEE Northwestern Chapter - Technical Program | Team of 5 | Awarded "Best of Overall Project"   *January 2023 – April 2023*
- Built a deep learning ML model capable of analyzing 3D MRI images and detecting Alzheimer's early with 94% accuracy
- Used Python libraries **Numpy**, **SimpleElastix** & **FSL** for image processing, **Tensorflow** & **Keras** for model training and **Streamlit** to build a lightweight client UI

FareShare   **Evanston, IL**
WildHacks - Northwestern University's Largest Hackathon | Team of 4   *April 2022*
- Built a web application connecting Northwestern students for ridesharing to and from Chicago airports, utilizing **Javascript**, **React**, **CSS**, **HTML**, **Bootstrap**, and **Supabase**
- Implemented a user authentication system using Northwestern emails to ensure safe and secure ridesharing among students

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 – April 2024*
- Led a group of **13** executive board members to plan **10+** major events for **150+** Black engineering students at Northwestern
- Managed budgets exceeding **$20,000** to enable **82+** active members to attend the NSBE regional and national conferences

Co-founder and Vice President, Northwestern University Emerging Coders   *September 2022 – April 2024*
- Organized **5+** events for **30+** low-income and First-generation students to help them explore careers in computer science
- Assumed treasurer duties to manage **$2000** in funding, enabling the execution of **5** events that expanded club opportunities

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
- Organized schedules for over 35 team members to ensure efficient shift allocation and maximize effective operational