

Ahmad El Idrissi Amiri

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EDUCATION

Northeastern University – Boston Campus, Boston, MA

MS in Computer Science Candidate, GPA: 3.73 / 4.00

Sep 2022 – Present

Expected Graduation: Dec 2024

Relevant Coursework: Computer Systems, Algorithms, Object-Oriented Design, Discrete Structures, Database Management Systems, Web Development, Foundations of Artificial Intelligence, Fundamentals of Cloud computing.

Northeastern University – Boston Campus, Boston, MA

BS in Biotechnology, GPA: 3.80 / 4.00

Sep 2020 – May 2022

Bunker Hill Community College – Boston Campus, Boston, MA

AS in Biomedical Engineering, GPA: 3.82 / 4.00

Sep 2018 – May 2020

TECHNICAL KNOWLEDGE

Languages: Python, Java, C, C++, JavaScript, SQL, HTML5, CSS3

Tools & Frameworks: Linux, Git, React, Node.js, Express.js, Redux, Axios, Bootstrap, RESTful API, Junit, jQuery, Flask.

Databases: MySQL, SQL Server, NoSQL (MongoDB)

PROJECTS

Personal Finance Tracker (Using Flask, MySQL)

Sep 2023 – Dec 2023

- Developed a user-friendly Personal Finance Tracker web app, empowering efficient management of financial portfolios. Enables tracking of income, expenses, and investments, with features for adding, updating, deleting, and reading financial data. Implemented MySQL procedures, triggers, functions, and prepared statements for enhanced security and performance.

Tune Heartbeat (Using React, MongoDB, Spotify API)

Sep 2023 – Dec 2023

- Developed TuneHeartBeats, a music app with Spotify integration. The user-friendly SPA, built with React.js, Redux, and Bootstrap, connects to a Node.js and Express.js RESTful API server. MongoDB streamlines data management, offering an interactive platform for exploring albums, previews, and connecting with artists.

Shapes Photo Album (Using Java Swing)

Sep 2022 – Dec 2022

- Developed a customized Java photo album application, applying the Model-View-Controller (MVC) architecture and adhering to Object-Oriented Programming/Design (OOP/OOD) principles. Designed user-friendly graphics and web viewers using Java Swing and HTML/CSS, achieving robust functionality with extensive JUnit test coverage.

EXPERIENCE

Northeastern University – Boston Campus, Graduate Teaching Assistant

Khoury College of Computer Sciences

• Data Structures, Algorithms, and their Applications within Computer Systems (CS 5008 MSCS-Align).

Summer 2023

- Managed course assignments and grading, including topics on Systems and Linux, Programming in C, Debugging, Assembly, Concurrency, Processes and Memory resulted in a remarkable 98% average student performance.

• Discrete Structures (CS 5002 MSCS-Align).

Fall 2022/Spring 2023/ Fall2023

- Tutored and covered a range of discrete math concepts, such as decimal-binary-hex conversion, two's complement, counting, probabilities, sequences, proof techniques resulted in 100% passing rate.

Bunker Hill Community College, Math, and Statistics Teaching Assistant

ACE Mentor Program Boston, MA

Spring 2019

- Tutored various statistical concepts, achieving a 95% improvement in students understanding.

Bunker Hill Community College, Learning Disabilities Tutor, and Note Taker

Students with Disabilities Office Boston, MA

Spring 2019/ Fall2019

- Conducted tutorial services for students with disabilities in various subjects, attended training sessions to improve tutoring skills, and administered constructive feedback for encouragement.

Jabal Tarek High School, French Tutor, Tangier Morocco

Fall 2017/ Spring 2018

- Developed scenarios covering everyday conversations to culturally relevant interactions, leading to a remarkable 97% improvement in practical language application.

HONORS AND AWARDS

- Double Husky Scholarship, 2022.
- Professional Advancement Scholarship, 2020
- Phi Theta Kappa Honor society, 2019
- INJAZ AL-MAGHRIB JA Entrepreneur program The Ecology Prize, 2015