

# Ahmad El Idrissi Amiri

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Available: April 2024 – Jan 2023 | GitHub: <https://github.com/AhmadElIdrissiAmiri>

## EDUCATION

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### 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

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**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

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### Personal Finance Tracker (Using Flask, MySQL)

Sep 2023 – Dec 2023

- Developed a Personal Finance Tracker web application aiming to empower users to manage their financial portfolios efficiently. The application allows users to track income, expenses, and investments through a user-friendly interface, facilitating actions such as adding, updating, deleting, and reading various types of financial data.

### 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

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### 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, Processes and Memory, Concurrency, Selection, Insertion, Bubble Sort, Analysis of Sorting, Trees, Heaps.

#### • 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, logical formulas, set operators, relations, counting tasks, probabilities, sequences, proof techniques, problem modeling.

### Bunker Hill Community College, Math, and Statistics Teaching Assistant

*ACE Mentor Program Boston, MA*

Spring 2019

- Managed daily attendance and collaborated with the teacher to plan and implement lessons based on the curriculum, goals, and objectives.

### 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

- Integrated French lessons into real-life scenarios and role-playing, making language learning more engaging.

## HONORS AND AWARDS

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