

ABDELAZIM LOKMA

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EDUCATION

Boston University

Boston, MA

Masters, Artificial Intelligence - Cumulative GPA : 3.75 / 4.0

Sep 2023 - Dec 2024

Relevant Coursework (grades): CS 611 - Grad. Object Oriented Programming (A-), CS 542 - Machine Learning (A-), CS 585 - Computer Vision (A-), CS 505 - Natural Language Processing (A), CS 660 - Grad. Databases (A)

Boston University

Boston, MA

Bachelor of Arts and Sciences, Majoring in Computer Science

May 2023

Minoring in Business Administration

PROJECTS

Weather Prediction Model - Machine Learning Project (Python)

May 2024

- Developed an RNN based model using historical weather data to predict future temperatures across multiple cities.
- Achieved a mean absolute error of 2 degrees Fahrenheit from ground truth results

Sign Language Identification Program - Comp. Vision Project

Mar 2024

- Spearheaded design and implementation of an algorithm to recognize American Sign Language (ASL) gestures using template matching and circularity measurement techniques.
- Achieved a greater than 90% classification accuracy in ASL gesture recognition

Simple DBMS - Software Development Project (C++)

Nov 2023

- Developed a custom Database Management System (DBMS) in C++ with core components such as heap files for data storage, a buffer pool for caching, and a metadata catalog.
- Implemented B+Tree indexing for efficient data retrieval and optimized join operations and aggregate functions.

Fit-Gen - Software Development Project (Android Studio/Java)

Dec 2022

- Co-created an Android app to efficiently catalog a user's clothing inventory, leveraging fundamental fashion principles and external factors to curate personalized outfits.
- Orchestrated the design and implementation of the algorithm responsible for digitizing clothing items & generating fashionable outfits within the app's functionality.

EXPERIENCE

Teaching Assistant - CS 611 Graduate O.O.P in Java

Sep 2024 - Present

Boston University

Boston, MA

- Taught and mentored over 20 graduate students in lab sessions, providing guidance on Object-Oriented Programming concepts in Java.
- Collaborated with the course instructor to influence course design, helping to shape lab exercises and assignments to better align with learning objectives.

Summer Intern

Jul 2021 - Aug 2021

Dell Egypt

Cairo, Egypt

- Acquired comprehensive training in AI, 5G, and DevOps, expanding knowledge and proficiency.
- Led the mock project "E7keeli" to provide online therapy access for middle to lower working class Egyptians, presenting it to DELL Egypt executives.

SKILLS

- Java, Python (Pandas, PyTorch, HuggingFace, NumPy), C++, SQL, Git
- Multilingual: Arabic (Native), English (Fluent), French (Conversational)