

MAYO EID

Software Developer

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SUMMARY

Recent graduate in Computer Engineering with a strong foundation in software development, network architecture, and signal processing. Demonstrated ability through self-driven projects and eager to contribute to a dynamic team where I can continue to learn and grow alongside experienced professionals.

EXPERIENCE

Software Developer

UZ Brussel

- 10/2022 - 02/2023 Brussels, Belgium
- We were assigned a project to develop an AI algorithm aimed at analyzing patient data and identify individuals requiring weight loss as part of their preparation for IVF (In Vitro Fertilization) treatments.
- The algorithm was designed to process large volumes of patient records, extract relevant insights, and share structured reports with medical professionals to aid in creating personalized health plans.

Software Developer

Belsante Soins infirmiers

- 01/2022 - 09/2022 Brussels, Belgium
- Developed full-stack mobile applications using React Native and Flutter
- Integrated location-based services to enhance user experience and functionality
- Designed and implemented appointment scheduling systems for efficient time management
- Integrated secure payment systems to ensure safe and reliable transactions
- Managed dynamic databases containing sensitive datasets, including medical records, client information, and employee data, with a strong emphasis on security and compliance

Software Engineering Intern

Tripoli Governmental Hospital

- 01/2021 - 07/2021 Tripoli, Lebanon
- Completed an IT internship at one of the largest hospitals in Lebanon
- Troubleshoot system and network issues, diagnosing and resolving hardware and software faults
- Performed routine safety checks to maintain optimal IT system performance and ensure adherence to safety protocols

Engineering Lab assistant

Rafic Harriri University

- 01/2020 - 06/2020 Meshref, Lebanon
- Developed a prototype for automated homes using microcontrollers such as STM32, Arduino, and Raspberry Pi
- Integrated sensors to design a solar panel tracking system that optimizes energy capture by following sunlight
- Conducted research and authored detailed documentation on home automation systems and technologies

PROJECTS

MRI Detector AI

- 11/2023
- Achieved {95%} accuracy in tumor detection, improving diagnostic speed by using CNN-based AI with data augmentation
- Increased AI model performance by {20%} by implementing advanced Python algorithms
- Platforms: Windows, Mac, Linux
- URL: [MRI Detector AI](#)

ECG Classification Model

- 01/2024
- Description: A deep neural network with residual blocks (DNN-RB) that classifies ECG signals into six heartbeat types using the MIT-BIH Arrhythmia dataset
- Implemented machine learning models improving efficiency by {20%} using Python, TensorFlow, and Keras
- Platforms: Google Colab
- URL: [ECG Classification Model](#)

EDUCATION

Master's in Applied Computer Sciences

Vrije Universiteit Brussel

- 09/2022 - 09/2024 Belgium
- | Applied Sciences and Engineering

Bachelor of Science in Computer and Communication Engineering

Rafik Hariri University

- 09/2018 - 08/2021 Lebanon

LANGUAGES

- Arabic
Native
- English
Proficient
- French
Advanced

FIND ME ONLINE

- Linkedin
https://www.linkedin.com/in/mayo-eid-75154a205/
- Social Network
https://mayoengin.github.io/mayoo/

PASSIONS

- Artificial intelligence
- Basketball
- Carting
- Reading

SKILLS

Algorithms	API	Arduino	CSS	ARIMA
Artificial Intelligence	AWS	Firebase		
Eclipse	Data Structures	Deep Learning		
Flask	Flutter	Git	Github	HTML
Java	Javascript	Machine Learning		
Microcontroller	Node.js	Microcontrollers		
MS Office Suite	Python	SQL	Raspberry	
Raspberry Pi	STM32	React Native		
React.js	Tensorflow	VS Code		
Time Series	Time Series Forecasting			

PROJECTS

Employee Registration App

📅 06/2024

- **Description:** A dynamic Angular-based web app for employee registration. It supports API usage, dynamic data entry, and inline editing, showcasing advanced front-end capabilities.
- **Technologies:** Angular, TypeScript
- **Platforms:** Windows, Mac, Linux
- **URL:** [Employee Registration App](#)

Waldo Finder AI

📅 03/2024

- **Description:** An AI project to locate Waldo using a model trained with triplet loss and binary classification techniques
- **Technologies:** AI Models, Python
- **Platforms:** Windows, Mac, Linux
- **URL:** [Waldo AI Finder](#)

Movie Web App

📅 10/2024

- **Description:** An Angular app showcasing recent movies. It serves as a project to explore and enhance Angular development skills.
- **Technologies:** Angular, TypeScript
- **Platforms:** Windows, Mac, Linux
- **URL:** [Movie Web App](#)

Text Adventure Game

📅 04/2023

- **Description:** A Java-based text adventure game where players make decisions to progress through an immersive story. Features include control mechanisms and commands to enhance user engagement.
- **Technologies:** Java
- **Platforms:** Eclipse IDE
- **URL:** [Text Adventure Game](#)

Stock Predictor

📅 05/2024

- **Description:** A web app that predicts stock prices using Python and Flask for the backend, and HTML and CSS for the frontend. It integrates real-time data retrieval and a language model.
- **Technologies:** Python, Flask, HTML, CSS
- **Platforms:** Python
- **URL:** [Stock Predictor](#)

TRAINING / COURSES

Algorithm and Data Structure

This course focuses on designing, analyzing, and implementing efficient algorithms and data structures. Topics include sorting, searching, graphs, dynamic programming, and data organization techniques to optimize computational performance. Ideal for solving complex computational problems.

Data Analytics and Healthcare

This course focuses on applying data analytics techniques to the healthcare industry. Topics include data preprocessing, visualization, predictive modeling, and healthcare-specific case studies like patient outcomes analysis and resource optimization.

Entrepreneurship

This course explores the principles of starting and running a business. Key topics include business planning, market analysis, funding strategies, innovation, and developing an entrepreneurial mindset to navigate challenges.

Decision Support Systems

This course examines the design and use of computer-based systems that help in decision-making processes. It includes topics such as data modeling, optimization, and integrating artificial intelligence for Hospitals or operational decisions.