Ahmad M. Mustapha

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About Me	I offer a skill set that is rarely found, combining roles as an AI Engineer, Backend Developer, and System Designer. My experience spans both academia and industry, covering a wide range of domains including Machine Learning, Artificial Intelligence, Data Science, and Backend Development. I thrive in roles that challenge me to think creatively, solve complex problems, and apply strong analytical skills.

Education

From 2024 to present	**American University of Beirut (AUB)** Doctoral Researcher	Beirut, Lebanon
From 2018 to 2020	**American University of Beirut (AUB)** Master in Electric and Computer Engineering Major in Machine Intelligence **GPA:** 4	Beirut, Lebanon
From 2015 to 2017	**Lebanese University** Master in Information systems and Data Intelligence **Rank**: 1/13	Beirut, Lebanon
From 2012 to 2015	**Lebanese University** Bachelor in Computer Science	Beirut, Lebanon

Experience

From 2024 to present	**AI Specialist** Holonox • Lead and contributed to the development and maintenance of a multiservice application • Set up the architecture • Flask, Django, Docker, AI APIs	Beirut, Lebanon
Fall 2023	**Instructor** Almaaref University • Advanced Data Structure Lab Course • Prepared and taught lab material • Prepared quizzes and tests	Beirut, Lebanon

From 2023 to 2024	**Founder and Lecturer**	Beirut, Lebanon

Mustapha Technology Institute – Seasonal Side Gig

- Educational startup to fill educational gaps
- Taught and developed learning materials
- E.g. Intro. to machine learning – Online presence for developers – Intro to Python – CV building

From 2022 to 2023 **Career Break**

Traveled – Learned New Language

From 2021 to 2022	**Java Developer**	Beirut, Lebanon

Murex

- Maintained a business module
- Agile Methodology
- Java, Python, Spring, Spring Boot, Open API, REST, …

From 2020 to 2021	**Machine Learning Engineer**	Beirut, Lebanon

Veer

- Managed a Machine Learning project from A to Z
- The project was related to Traffic Management
- Data Cleaning, Data Munging, Data Visualization
- Prediction. Python, RNNs, LSTMs, Regression, Pandas, NumPy, Plotly, Dash.

From 2018 to 2020	**Research Assistance**	Beirut, Lebanon

American University of Lebanon (AUB)

- Implementing/Improving Bleeding Edge Unsupervised Deep Learning Models
- Neural Networks Adversarial Samples
- Unsupervised Deep Learning
- Software Engineering Interaction with Machine Learning

| **From 2018 to 2020** | **Multidisciplinary Engineer** | Beirut, Lebanon |

Multidisciplinary Engineer
Self-Employed – Different Clients
- Computer vision models to detect vehicles in a tropical reserve in Africa.
- Computer vision models to detect illness through lung X-ray images
- Python Script to scrape and sort by price selected goods from different online providers
- Several Data Science and Machine Learning projects

Spring 2018-2019
Fall 2019-2020

Teaching Assistance (277 hours total)
American University of Lebanon (AUB)
- Teaching Introduction to Programming C++ / Matlab
- Teaching Computer Organization VHDL/PIC
- Software Tools (QT/Doxygen/Make Files/Unit Tests)

Beirut, Lebanon

From 2017 to 2018

Research Intern
University of Versailles (UVSQ)
- Handling Multidimensional Data from Moving Air Pollution Sensors
- Use **R** libraries to transform data into functions
- Implement a **Spark/Scala-based** framework to read sensory values, interpolate them into functions, apply analysis on them, …

Versailles, France

Skills

Languages: Fluent in English and Arabic.
Soft Skills: Communication, Teamwork, Setting Goals, Planning

Technical Skills: Python, Flask, Docker, Django, Scikit Learn, Pytorch, Hugging Face

References

Dr. Wes Masri, Professor at George Mason University, US, wmasri@gmu.edu

Portfolio

For more interesting details check my online portfolio or scan the QR code

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