

Ahmad M. Mustapha
Phone Number: **+961 71 177 395**
E-mail: **ahmad.m.mustapha@hotmail.com**

About Me

I am an AI engineer and Software Developer with diverse experience in academia and industry in multiple domains like Machine Learning, Artificial Intelligence, Data Science, and Backend Development. I strive and enjoy positions that require creativity, problem-solving, and analytical skill sets.

Education

| | | |
|--------------------------|--|--------------------|
| From 2018 to 2020 | American University of Beirut (AUB) Master in Electric and Computer Engineering Major in Machine Intelligence Relevant Courses Taken: Applied Parallel Programming CUDA, Natural Language Processing, Adv. Data Science | Beirut, Lebanon |
| From 2015 to 2017 | Lebanese University Master in Information systems and Data Intelligence Relevant Courses Taken: Data Mining, Big Data, Machine Learning, Decision Support, Distributed Applications, Real-Time Analysis Rank: 1/13 | Beirut, Lebanon |
| From 2012 to 2015 | Lebanese University Bachelor in Computer Science | Beirut, Lebanon |

Experience

| | | |
|-----------------------------|--|--------------------|
| From 2023 to Present | Mustapha Technology Institute Founder and Lecturer <ul style="list-style-type: none">• 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 | Beirut, Lebanon |
| From 2022 to 2023 | Career Break Traveled | |
| From 2021 to 2022 | Java Developer Murex <ul style="list-style-type: none">• Maintained a business module• Agile Methodology• Java, Python, Spring, Spring Boot, Open API, REST, ... | Beirut, Lebanon |

| | | |
|--|---|----------------------|
| 2021 (8 months) | Machine Learning Engineer Veer <ul style="list-style-type: none"> Managed a Machine Learning project from A to Z The project was related to Traffic Management Data Cleaning, Data Munging, Data Visualization Learning Prediction. Python, RNNs, LSTMs, Regression, Pandas, Numpy, Plotly, Dash. | Beirut, Lebanon |
| From 2018 to 2020 | Research Assistance American University of Lebanon (AUB) <ul style="list-style-type: none"> Implementing/Improving Bleeding Edge Unsupervised Deep Learning Models Neural Networks Adversarial Samples Unsupervised Deep Learning Software Engineering Interaction with Machine Learning | Beirut, Lebanon |
| From 2018 to 2020 | Multidisciplinary Engineer Self-Employed – Different Clients <ul style="list-style-type: none"> 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 | Beirut, Lebanon |
| Spring 2018-2019 Fall 2019-2020 | Teaching Assistance (277 hours total) American University of Lebanon (AUB) <ul style="list-style-type: none"> 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) <ul style="list-style-type: none"> 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, ... | Versaille, France |
| From 2015 to 2016 | Occasional Private Tutor <ul style="list-style-type: none"> Introduction to programming (C/C++) Introduction to Web Development | Beirut, Lebanon |

Publications

- Mustapha A., Zeitouni K. and Taher Y. (2018). Towards Rich Sensor Data Representation Functional Data Analysis Framework for Opportunistic Mobile Monitoring. GISTAM
- Mustapha A., Khreich W., Masri W. (2021) A Deep Dive into Deep Cluster
- Mustapha A., Khreich W., Masri W. (2021) Inter-model Interpretability: Self-Supervised Models as a Case Study

Conferences

- 4th International Conference on Geographical Information Systems Theory, Applications and Management, GISTAM 2018, Funchal, Madeira, Portugal. Presented the paper Towards Rich Sensor Data Representation - Functional Data Analysis Framework for Opportunistic Mobile Monitoring.
- 34th IEEE International Conference on Data Engineering ICDE20 18. Paris. Guest.
- Junior Conference on Data Science and Engineering JDSE2018. Paris Saclay. Guest.

SKILLS

Languages: Fluent in English and Arabic.

Soft Skills: Communication, Teamwork, Setting Goals, Planning

Technical Skills: Java, spring, Python, Scikit-Learn, R, Pytorch, Tensorflow, Matplotlib, Plotly, Dash

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



Last Updated: October 23