Ali Hamdar

Electrical Engineer specialized in AI

Languages:

French, English and Arabic - written and spoken

Contact

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Skills

Data science

Machine learning

Deep learning

Automation

Computer vision

NLP

Agile methodology

Software

Python

Very Good

Results-driven data scientist with strong analytical thinking, mathematical reasoning skills and demonstrated history of working in diversified industries, such as eCommerce, retail and Telecommunications. Pursued a Bachelor of Engineering (BE) in Electrical Engineering at Polytechnic Montreal, focused in Automation and AI.

Work History

2021-06 Present

Data Scientist

Vanrise Solutions (Remote)

Developing ML based models for Fraud Detection

2019-05 - 2019-12

Data Science and Business Analysis Intern

Bell, Montreal, QC
Support service provisioning team in performing root cause investigations on business transaction failures within the service provisioning tools,

- Analyzed business needs and identified Data Science opportunities
- Participated in designing and creating an SQL Server database that summarizes live technicians' activities in the field
- Developed a machine learning model to explore patterns leading to a failure
- Developed a machine learning model to predict a technician activity failure
- Participated in 'Bell summer student business case program' within Montreal team and won the second place in Canada by providing a solution to manage the inventory overhead for The Source store

2019-02 - 2019-05

Part-time AWS Machine Learning Developer

Jikko, Montreal, QC
Designed and planned a solution that involves:

- Collecting live data from sensors through a controller
- Transforming and preparing data
- Creating a Microsoft SQL server database and connect it to AWS
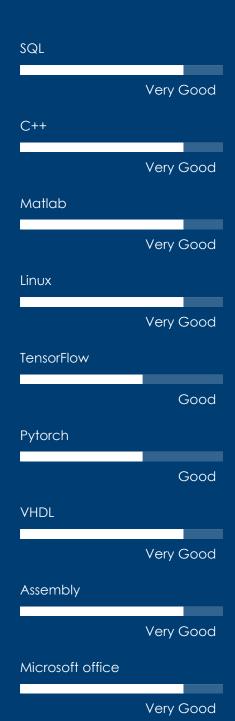- Streaming data feed from AWS on a web page

2017-05 - 2017-08

Data Science International Intern

Carrefour Spain, Madrid
Supported the Digital transformation and innovation department

by developing, implementing and applying machine learning algorithms in eCommerce

- Analyzed business needs and participated in defining Data Science opportunities
- Developed and implemented a sales prediction model 'Propensity model' that considers cannibalization and seasonality
- Developed a model that involves Web crawling to define gaps in Carrefour products that are best sellers in competitor's inventory
- Participated in the development of a recommendation system of recipes
- Implemented data visualization algorithms to present results
- Played the role of scrum master for two months under an agile methodology

(pandas, numpy, matplotlib, nltk, xgboost, word2vec, crisp dm methodology, TSNE, UMAP, *scikit-learn, tensorflow, keras*, SQL, *anomaly detection, k-means, reinforcement learning, sentiment analysis, decision tree, random forest, Jupyter*)

2015-01 - 2018-11

Manager

Pizza Way Restaurant, Montreal, Quebec

- Issued and maintained restaurant menu constantly
- Maintained amiable relationships with suppliers through difficult quality control issues, supporting healthy business interactions
- Organized and maintained employees' schedule
- Negotiated with suppliers to optimize the price/quality ratio

Education

2015-09 - 2021-05

Bachelor of Engineering: Electrical Engineering

École Polytechnique De Montréal - Montreal

Personal Project

Lot-On-Pi

Live Object Tracking Over Network with Pysot and ImageZMQ

Presentation part 1: https://youtu.be/EdHT1WKWjFY

Presentation part 2: https://youtu.be/Jt-oq5Jyr-4

Demo video: https://youtu.be/FruPEK4ReMM