

Mouad HADJI

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MSc in Applied Mathematics. 5+ years of experience in data science and product strategy.

Specialities : Data Science, Machine Learning (DL, NLP, RL), Financial Modeling, Business Strategy. Interests : Energy, Mobility

Professional Experience

From Nov'15	Tesla Lead Data Scientist November 2015 to December 2018 : Vehicle team From January 2019 : Energy team (storage and solar) In charge of team data strategy and roadmaps to enable decision-making at a global level - Extensively used large scale data to convert it into actionable insights and strategic recommendations - Designed and launched in production scalable data products (ML, DL, NLP, Predictive Maintenance, etc.) - Led key initiatives with engineering teams to improve product design and quality - Worked closely with program and product managers to improve processes and customer satisfaction - Designed internal auto-ML python package for text-processing, automated data pipelining (airflow, unit-testing), financial pipelines for fleet warranty, etc.	Palo Alto, CA (USA)
Oct'14 - Jul'15	Argos Wityu Investment Research Analyst - Worked within a pan-European private equity group managing more than 1 billion euros in assets - Collected and analyzed quantitative data around potential acquisition targets and portfolio companies - Developed and maintained financial models featuring complex investment scenarios	Paris (FR)
Jan'14 - Sep'14	Tesla Data Analyst Intern - Performed advanced data analysis to support strategic decision-making on fleet connectivity - Supported new market entries and software partnerships to enable delightful customer experience - Led algorithm design and field programs leading to cost reductions and improved car connectivity	Palo Alto, CA (USA)
Jul'13 - Dec'13	BNP Paribas Corporate and Investment Banking Investment Banking Analyst Intern - Involved in advisory of transactions in the Energy and Infrastructure sectors - Performed financial modeling, drafted pitch-books and participated in client presentations - Focused on the different European regulations in electricity and gas businesses	London (UK)
2012-2013	French Ministry of Higher Education Teacher Assistant for undergraduates in Control Systems and Mechanics	Paris (FR)

Education

2015	Ecole Polytechnique Data Science Program - Main courses : Machine Learning, Convex Optimization, Data Mining, etc.	Palaiseau (FR)
2008 - 2014	MINES ParisTech BSc & MSc in Applied Mathematics & Economics - Completed a Bachelor & Master of Science at MINES ParisTech Graduate School (the "French MIT") - Relevant coursework : Mathematics, Operations Research, Computer Science, Probability Theory, Statistics, Stochastic Processes, Data Analysis, Economics (Commodity, Industrial, Micro, Macro)	Paris (FR)

Languages and Programming Skills

Computing	Full level : Python, R, VBA, Git, Unix/Bash, Tableau, Plotly - Exposure to : HTML/CSS, d3.js
Database	SQL, NoSQL, Hadoop, Spark, Impala/Presto
Languages	Native French , Fluent English (TOEIC : 980/990), advanced level in Spanish

Personal Development, Activities and Interests

Personal Interests : Soccer (9 years of practice - incl. French National Championship 3rd level), Half-marathons, Economics
Volunteering : Academic Tutor for MINES ParisTech's equal opportunity programs (2011-2014), SF-Marin Food Bank (2018-present)
Cultural Experience : Worked in 4 different countries (France, UK, USA, Canada) and visited over 25 countries in 4 continents
Continuing Studies : Stanford's CS224n (Deep Learning for NLP, by Richard Socher) and CS231n (CNNs for Visual Recognition, by Andrej Karpathy), Udacity (earned degrees : Self-Driving Car Engineer, Deep Reinforcement Learning)