

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

2019 - Present	Tesla Lead Data Scientist - Led all data science efforts related to product reliability (vehicle + energy) - Designed and launched in production a suite of data products to enable fleet-wide reliability analysis	Palo Alto, CA (USA)
2015 - 2018	Senior Data Scientist Vehicle team : Global Service & Customer Experience In charge of data team strategy and roadmap to enable decision-making at a global level - Extensively used large scale data to provide actionable insights and strategic recommendations to Service, Customer Experience and Quality teams impacting a customer base that grew from 100k to 700k - Designed automated data pipelines and quantitative analyses including comprehensive financial statements and warranty models bringing visibility to company worldwide field operations (directly overseen by VP) - Built and automated text-processing pipelines bringing insights over 4M+ of yearly contacts. Built company first natural language processing engine to enable auto-ML - Developed a suite of executive-level dashboards to track worldwide fleet metrics, sustain 10x sales growth, improve field productivity by 5x, and ultimately increase customer satisfaction	
2014 - 2015	Argos Wityu Investment Research Analyst - Worked within a pan-European private equity group managing more than \$1.3B+ 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-Sep 2014	Tesla Data Analyst Intern - Performed advanced data analysis to support strategy for global vehicle connectivity and software partnerships - Supported new market entries (incl. Australia, China, France) enabling fleet broadband connectivity and delightful customer experience for the early 100k+ owners - Led algorithm design and field programs in Europe leading to \$2M+ in cost savings	Palo Alto, CA (USA)
Jul-Dec 2013	BNP Paribas Corporate and Investment Banking Investment Banking Analyst Intern - Involved in advisory of transactions in the Energy and Infrastructure sectors for EMEA - Performed advanced financial modeling, drafted pitch-books and participated in client presentations	London (UK)

Education

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

Skills

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

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 (degrees : Self-Driving Car Engineer, Deep Reinforcement Learning)