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

Tesla — Palo Alto, CA (USA)
From Nov'15
Lead Data Scientist
November 2015 to December 2018 : **Vehicle** team | From January 2018 : **Energy** (storage and solar)
In charge of team data strategy and roadmaps to enable decision-making at a global level
- Extensively use of large scale data and conversion into actionable insights and 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.

Argos Wityu — Paris (FR)
Oct'14 - Jul'15
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

Tesla — Palo Alto, CA (USA)
Jan'14 - Sep'14
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

BNP Paribas Corporate and Investment Banking — London (UK)
Jul'13 - Dec'13
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

French Ministry of Higher Education — Paris (FR)
2012-2013
Teacher Assistant for undergraduates in Control Systems and Mechanics

Education

Ecole Polytechnique — Palaiseau (FR)
2015
Data Science Program
- Main courses : Machine Learning, Convex Optimization, Data Mining, etc.

MINES ParisTech — Paris (FR)
2008 - 2014
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)

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**

Activities and Interests

Cultural Experience : Visited over 25 countries in 4 continents and worked in 4 countries (France, UK, USA, Canada)
Personal Interests : Volunteering, Soccer (participated to high-level competitions), Half-marathon running, Economics