Mouad HADJI

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MSc in Applied Mathematics. 3 years of experience in Data Science.
Specialities : Data Science, Machine Learning, Financial Modeling, Business Strategy. Interests : Computer Vision, Mobility

Professional Experience

From Nov 2015 **Tesla** Palo Alto, CA (USA)
Senior Data Scientist, Technical Lead
- Converted large datasets into the actionable insights that drive business decisions at a global level (extraction, modeling, visualization)
- Built, designed and launched in production data products (ML, DL, NLP, Predictive Maintenance, etc.)
- Applied statistical analysis and scalable machine learning to drive organization decision-making
- Led initiatives with engineering teams to improve product design and quality
- Worked closely with program/product managers to improve processes and customer satisfaction
- Developed audited financial models for fleet warranty reserve and accounting ; designed and built service department financial data pipeline and reporting

Jan-Jul 2015 **Argos Soditic** Paris (FR)
Investment Research Analyst Intern, Private Equity
- Collected and analyzed quantitative data around potential acquisition targets and portfolio companies
- Developed and maintained financial models featuring complex investment scenarios

Jan-Sept 2014 **Tesla** Palo Alto, CA (USA)
Data Analyst Intern, Connected Car Program
- Performed advanced data analysis to support strategic decision-making on fleet connectivity and new market entries.
- Contributed to algorithm design for cost optimization and implementation of cross-functional projects to improve car connectivity.

Jul-Dec 2013 **BNP Paribas Corporate and Investment Banking** London (UK)
Investment Banking Analyst Intern, Energy and Infrastructure, EMEA
- Involved in advisory of transactions in the Energy and Infrastructure sectors (gas and electricity networks, motorways, airports, oil and chemical tanks)
- Performed financial modeling, drafted pitch-books and participated in client presentations
- Focused on the different European regulations in electricity and gas businesses

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

Education

2011 - 2015 **MINES ParisTech** Paris (FR)
BSc & MSc, Applied Mathematics, Economics
Completed a Bachelor and a Master of Science at MINES ParisTech Graduate School, the "French MIT"
- Specializations : Statistics, Data Analysis, Business Strategy
- Main fields of study : Mathematics, Operations Research, Computer Science, Probability Theory, Statistics, Stochastic Processes, Data Analysis, Economics (Commodity, Industrial, Micro, Macro)

2015 **Ecole Polytechnique** Palaiseau (FR)
Data Science Program, non degree
- Courses : Machine Learning, Data Mining

Languages and Programming Skills

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

Activities and Interests

Social Impact : Mentored undergraduate students from Paris disadvantaged areas (Cahier Vert association)
Cultural Experience : Visited over 25 countries in 4 continents and worked in 4 countries (France, UK, USA, Canada)
Personal Interests : Soccer (participated to high-level competitions), Running (half-marathon runner), Ski, Economics