Mouad HADJI

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MSc in Applied Mathematics. 4+ years of experience in data science.
Specialities : Data Science, Machine Learning, NLP, Financial Modeling, Business Strategy. Interests : Computer Vision, Mobility

Professional Experience

From Nov'15	**Tesla**	Palo Alto, CA (USA)

Senior Data Scientist, Technical Lead
- Converted large datasets into the actionable insights that drive business decision-making at a global level
- 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.

Oct'14 - Jul'15	**Argos Soditic**	Paris (FR)

Investment Research Analyst, Private Equity
- Collected and analyzed quantitative data around potential acquisition targets and portfolio companies
- Developed and maintained financial models featuring complex investment scenarios

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

Data Analyst Intern, Connected Car Program
- Performed advanced data and cost-benefit analysis to support strategic decision-making on fleet connectivity and new market entries
- Contributed to algorithm design for cost optimization and led cross-functional projects to improve car connectivity

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

Investment Banking Analyst Intern, Energy and Infrastructure
- 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

2015	**Ecole Polytechnique**	Palaiseau (FR)

Data Science Program
- Main courses : Machine Learning, Data Mining, etc.

2008 - 2014	**MINES ParisTech**	Paris (FR)

BSc & MSc in Applied Mathematics
Completed a Bachelor & Master of Science at MINES ParisTech Graduate School (the "French MIT")
- Minors : Economics, Computer Science
- Main fields of study : 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
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