Mouad HADJI

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MSc in Applied Mathematics. 3 years of experience in Data Science. Intensively training in Autonomous Driving technology.
Specialities : Data Science, Machine Learning/A.I. (NLP, Computer Vision, etc.), Business Strategy, Financial Modeling

Professional Experience

From Nov 2015 **Tesla** Palo Alto, CA, USA
Senior Data Scientist, A.I. Technical Lead
- Converted large datasets into the actionable insights that drive business decisions at a global level
- Built, designed and launched in production data products (recommendation engines, neural nets for Natural Language Processing and Computer Vision, predictive maintenance models, etc.)
- Applied statistical analysis and scalable machine learning on car logs, geospatial and repair data to drive organization decision-making
- Managed projects to automate factory processes using technologies such as CV and Deep Learning
- Led initiatives with engineering teams and program/product managers to improve product design and quality and customer satisfaction
- Developed audited financial models for fleet warranty reserve and accounting, built worldwide department Income Statement, supported teams with all financial investments related analysis

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 Industrial Sciences (Control Systems, Mechanics)

Education

2011 - 2015 **MINES ParisTech** Paris, FR
BSc & MSc, Applied Mathematics, Economics, Computer Science
- 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, Optimization, Data Mining

Languages and Programming Skills

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

Activities and Interests

Self-learning : Mining Massive Datasets, NLP with Deep Learning (cs224n), Computer Vision (cs231n) (all from Stanford University)
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