

# Mouad HADJI

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MSc in Applied Mathematics. 3 years of experience in Data Science. Interested in the Mobility and Autonomous Driving fields.  
Specialities : Data Science, Machine Learning/A.I. (NLP, Computer Vision, etc.), Financial Modeling, Business Strategy

## Professional Experience

From Nov 2015	<b>Tesla</b> <b>Senior Data Scientist, A.I. Technical Lead</b> <ul style="list-style-type: none"><li>- Converted large datasets into the actionable insights that drive business decisions at a global level</li><li>- Built, designed and launched in production data products (neural nets for Natural Language Processing and Computer Vision, predictive maintenance models, etc.)</li><li>- Applied statistical analysis and scalable machine learning on car logs, geospatial and repair data to drive organization decision-making</li><li>- Led initiatives with engineering teams to improve product design and quality</li><li>- Worked closely with program and product managers to improve processes and customer satisfaction</li></ul>	Palo Alto, CA (USA)
Jan-Jul 2015	<b>Argos Soditic</b> <b>Investment Research Analyst Intern, Private Equity</b> <ul style="list-style-type: none"><li>- Collected and analyzed quantitative data around potential acquisition targets and portfolio companies</li><li>- Developed and maintained financial models featuring complex investment scenarios</li></ul>	Paris (FR)
Jan-Sept 2014	<b>Tesla</b> <b>Data Analyst Intern, Connected Car Program</b> <ul style="list-style-type: none"><li>- Performed advanced data analysis to support strategic decision-making on fleet connectivity and new market entries.</li><li>- Contributed to algorithm design for cost optimization and implementation of cross-functional projects to improve car connectivity.</li></ul>	Palo Alto, CA (USA)
Jul-Dec 2013	<b>BNP Paribas Corporate and Investment Banking</b> <b>Investment Banking Analyst Intern, Energy and Infrastructure, EMEA</b> <ul style="list-style-type: none"><li>- Involved in advisory of transactions in the Energy and Infrastructure sectors (gas and electricity networks, motorways, airports, oil and chemical tanks)</li><li>- Performed financial modeling, drafted pitch-books and participated in client presentations</li><li>- Focused on the different European regulations in electricity and gas businesses</li></ul>	London (UK)
2012-2013	<b>French Ministry of Higher Education</b> <b>Teacher Assistant</b> for undergraduates in Control Systems and Mechanics	Paris (FR)

## Education

2011 - 2015	<b>MINES ParisTech</b> <b>BSc &amp; MSc, Applied Mathematics, Economics, Computer Science</b> Completed a Bachelor and a Master of Science at MINES ParisTech Graduate School, the "French MIT" <ul style="list-style-type: none"><li>- Specializations : Statistics, Data Analysis, Business Strategy</li><li>- Main fields of study : Mathematics, Operations Research, Computer Science, Probability Theory, Statistics, Stochastic Processes, Data Analysis, Economics (Commodity, Industrial, Micro, Macro)</li></ul>	Paris (FR)
2015	<b>Ecole Polytechnique</b> <b>Data Science Program, non degree</b> <ul style="list-style-type: none"><li>- Courses : Machine Learning, Optimization, Data Mining</li></ul>	Palaiseau (FR)

## Languages and Programming Skills

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

## Activities and Interests

**Self-learning** : Mining Massive Datasets, NLP with Deep Learning [cs224n], Computer Vision [cs231n] (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