

# Mouad HADJI

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MSc Graduate in Engineering. Specialities : Data Science, Machine Learning, Business Strategy, Financial Modeling

## Professional Experience

From Jun 2016	<b>Tesla</b> <b>Senior Data Scientist</b> - Convert large datasets into the actionable insights that drive business decisions at a global level - Build, design and launch in production data products (extraction, modeling, visualization) - Apply statistical analysis and scalable machine learning to drive decision-making - Working closely with program managers to improve business processes and customer satisfaction - Leading initiatives with engineering teams to improve product design and quality	Fremont, CA (US)
Jan-Jul 2015	<b>Argos Sodic</b> <b>Investment Research Analyst Intern, Private Equity</b> - Collect and analyze quantitative data around potential acquisition targets and portfolio companies - Develop and maintain financial and operational models featuring complex investment scenarios - Research project on the French Digital Plan for Education	Paris (FR)
Jan-Sept 2014	<b>Tesla</b> <b>Data Analyst Intern, Connected Car Program</b> - Data reporting for connectivity and business-modeling for new market entries - Performed advanced data analysis for C-level executives to support strategic decision-making - Contributed to algorithm design for cost optimization	Palo Alto, CA (US)
Jul-Dec 2013	<b>BNP Paribas Corporate and Investment Banking</b> <b>Business/Modeling Analyst Intern, Energy and Infrastructure, EMEA</b> - 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	London (UK)
2012-2013	<b>French Ministry of Higher Education</b> <b>Teacher Assistant</b> for undergraduates in Industrial Sciences (Control Systems, Mechanics)	Paris (FR)

## Education

2011 - 2015	<b>MINES ParisTech</b> <b>BSc &amp; MSc, Mathematics, Economics, Computer Science</b> - 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)	Paris (FR)
2015	<b>Ecole Polytechnique</b> <b>Data Science Program, Visiting Student</b> Courses : Machine Learning, Data Mining	Palaiseau (FR)
2008 - 2011	<b>Lycee Saint-Louis</b> Advanced and intensive undergraduate program to prepare for national competitive entrance examinations to Top French Engineering Schools - Majors : Mathematics & Physics	Paris (FR)

## Languages and Programming Skills

Computing	Full level : R, Python, VBA, Git, Unix/Bash, Plotly, Tableau - <b>Exposure to</b> : HTML/CSS, flask
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** : Statistical Learning, Mining Massive Datasets, NLP with Deep Learning (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) and economics