

Mouad HADJI

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MSc in Applied Mathematics. Specialities : Data Science, Machine Learning/AI, Business Strategy, Financial Modeling

Professional Experience

From Nov 2015	Tesla 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 including recommendation engines, neural nets for Natural Language Processing (F1 score > 0.91), predictive maintenance models (acc. > 0.85), etc. - Applied statistical analysis and scalable machine learning on car logs, geospatial and repair data to drive organization decision-making - Developed audited financial models for fleet warranty reserve and accounting, built worldwide service department Profit and Loss statement, supported teams with all finance related analysis - Led initiatives with engineering teams to improve product design and quality - Worked closely with program/product managers to improve business processes and customer satisfaction	Fremont, CA, USA
Jan-Jul 2015	Argos Soditic 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	Paris, FR
Jan-Sept 2014	Tesla 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.	Palo Alto, CA, USA
Jul-Dec 2013	BNP Paribas Corporate and Investment Banking 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	London, UK
2012-2013	French Ministry of Higher Education Teacher Assistant for undergraduates in Industrial Sciences (Control Systems, Mechanics)	Paris, FR

Education

2011 - 2015	MINES ParisTech BSc & MSc, 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)	Paris, FR
2015	Ecole Polytechnique Data Science Program, non degree Courses : Machine Learning, Optimization, Data Mining	Palaiseau, FR

Languages and Programming Skills

Computing	Full level : R, Python, VBA, Git, Unix/Bash, Tableau, Plotly - Exposure to : 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 : 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), economics