

Mouad HADJI

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Experienced and results-oriented leader with over 6 years of experience using data science and business strategy to provide actionable insights and strategic recommendations to executive teams, product engineers and field operations. Currently managing the Tesla reliability data team which aims at utilizing large-scale data to help Tesla design and validate the most compelling and reliable products for our customers. Covering vehicle, energy and charging products. Prior to Tesla, had successful experiences in the investment research participating to M&A deals and portfolio management. Fast-learner. Strong technical and interpersonal skills. Attended French graduate school at MINES ParisTech (ranked top 1% nationally) and Stanford (deep learning classes).

Professional Experience

2019-Now	Tesla Data Science Manager , Product Reliability	Palo Alto, CA (USA)
	<ul style="list-style-type: none">- Led reliability data team to leverage real-time data describing fleet usage and behavior, enable proactive monitoring, grow reliability, and minimize field failures across all hardware products- Responsible for the collection, processing and summarization of data to cross-functional teams through the whole design cycle including to the executive, product engineering and finance teams- Built and mentored a team supporting a growing range of products (vehicle, energy, charging)	
2015-2018	Senior Data Scientist , Global Service & Customer Experience	
	<ul style="list-style-type: none">- Led team roadmap to enable executive decision-making and support worldwide fast-paced growth- Extensively used large scale data to provide actionable insights and recommendations to Service, Customer Experience and Quality teams impacting a customer base that grew from 100k to 1M+- Developed a suite of executive-level dashboards to track worldwide fleet metrics, sustain 10x sales growth, improve field productivity by 5x, and ultimately increase customer satisfaction- Designed automated data pipelines and quantitative analyses to serve executive teams and external parties with operational metrics, full financial statements, warranty models, etc.- Built and automated text-processing pipelines bringing insights over 4M+ of yearly customer contacts	
2014-2015	Argos Wityu Investment Research Analyst	Paris (FR)
	<ul style="list-style-type: none">- Worked within a pan-European private equity group managing more than \$1.3B+ in assets- Collected and analyzed quantitative data around potential acquisition targets and portfolio companies- Developed and maintained financial models featuring complex investment scenarios	
Jan-Sep 2014	Tesla Data Analyst Intern	Palo Alto, CA (USA)
	<ul style="list-style-type: none">- Performed data analysis to support strategy for global vehicle connectivity and software partnerships- Supported new market entries (incl. Australia, China, France) enabling fleet broadband connectivity and delightful customer experience for the early 100k+ owners- Led algorithm design and field programs in Europe leading to \$2M+ in cost savings	
Jun-Dec 2013	BNP Paribas Corporate and Investment Banking Investment Banking Analyst Intern	London (UK)
	<ul style="list-style-type: none">- Involved in advisory of transactions in the Energy and Infrastructure sectors for EMEA- In 2014, the team was ranked 1st in advisory and arranging by the Infrastructure Journal	

Education

2008-2014	MINES ParisTech Graduate School BSc & MSc at the "French MIT". Major : Applied Mathematics - Minor : Economics Relevant coursework : Mathematics, Operations Research, Computer Science, Probability Theory, Statistics, Stochastic Processes, Data Analysis, Economics (Commodity, Industrial, Micro, Macro)	Paris (FR)
2016-2017	Stanford University Visiting Student ; CS231n (CNNs for Visual Recognition) & CS224n (NLP with Deep Learning)	Palo Alto (CA)

Skills

Programming	Full level : Python, R, Unix/Bash, HTML/CSS, Flask - Exposure to : d3.js
Data	Full level : SQL, NoSQL, Hadoop, Spark, Advanced Excel - Exposure to : Scala
DevOps	Full level : Git, Airflow, Ansible, Docker, Nginx - Exposure to : Kubernetes
Languages	Native French , Fluent English (TOEIC : 980/990), advanced level in Spanish

Personal

Volunteering : Math tutor for equal opportunity programs, Soccer coach with Street Soccer USA Bay Area program
Sports : Soccer (9 years of practice - incl. French National Championship third level), Half-marathons, Ski
Interests : Reading, Traveling, American Cinema, Economics