

Mouad HADJI

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MSc in Applied Mathematics. 5+ years of experience in data science and product strategy.
Specialities : Data Science, Machine Learning (Deep Learning, NLP), Financial Modeling, Business Strategy

Professional Experience

	Tesla	Palo Alto, CA (USA)
2019-Now	Lead Data Scientist , Product Reliability <ul style="list-style-type: none">- Led company-wide reliability data science efforts and framework (vehicle, charging, energy)- Founded the energy reliability data science team, overseeing a 100% yoy growth rate activity- Launched suite of scalable company-wide data products enabling fleet-wide data analysis	
2015-2018	Senior Data Scientist , Global Service & Customer Experience <ul style="list-style-type: none">- Led department data team strategy and roadmap to enable decision-making at a global level- Extensively used large scale data to provide actionable insights and strategic recommendations to Service, Customer Experience and Quality teams impacting a customer base that grew from 100k to 700k- Designed automated data pipelines and quantitative analyses including comprehensive financial statements and warranty models bringing visibility to company worldwide field operations (directly overseen by VP)- Built and automated text-processing pipelines bringing insights over 4M+ of yearly customer contacts, enabling automation of bug reporting to American regulator NHTSA, etc. (released internal NLP python package)- 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	
	Argos Wityu	Paris (FR)
2014-2015	Investment Research Analyst <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	
	Tesla	Palo Alto, CA (USA)
Jan-Sep 2014	Data Analyst Intern <ul style="list-style-type: none">- Performed advanced 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	
	BNP Paribas Corporate and Investment Banking	London (UK)
Jun-Dec 2013	Investment Banking Analyst Intern <ul style="list-style-type: none">- Involved in advisory of transactions in the Energy and Infrastructure sectors for EMEA- Performed advanced financial modeling, drafted pitch-books and participated in client presentations- In 2014, the team was ranked 1st in advisory and arranging by the Infrastructure Journal	

Education

	Stanford University	Palo Alto (CA)
2016-2017	Visiting Student at the CS231n (CNNs for Visual Recognition) and CS224n (NLP with Deep Learning) courses.	
	MINES ParisTech Graduate School	Paris (FR)
2008-2014	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)	

Skills

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

Personal

Volunteering : Math tutor at MINES ParisTech's equal opportunity programs (2011-2014), Soccer coach of high school kids with Street Soccer USA Bay Area program (2019-present)

Sports : Soccer (9 years of practice - incl. French National Championship third level), Half-marathons, Ski

Interests : Reading, Traveling, American Cinema, Economics