

EZ-ZEJJARI Achraf

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WORK EXPERIENCE

2023 - 2024 1 y	COMPREDICT Senior Data Scientist - Created novel (patent application pending) time series model (FFD) reducing previous SOTA model size by ~50 times - Built & maintained internal libraries ensuring deployability to production Technologies Python - AWS - GitLab (Versioning & CI/CD) - DL (RNNs and Transformers) – Databricks - MLFlow	Darmstadt - Germany
2018-2023 5 y	ALSTOM Data Scientist - Implemented & deployed SOTA DL models for predicting vehicle dynamics resulting in 60% reduction in simulation time - Implemented & deployed ML models for estimating costs based on historical data - Designed a full interface for monitoring algorithms drift in a production environment - Built NLP models to unify components classification for maintenance - Implemented ML model to predict successful wheel/axle mounting operations, utilizing advanced statistical analysis and sensor data to achieve a 20% increase in success rate Technologies Python – AWS (SageMaker) - GitHub (Versioning & CI/CD) – ML/DL (NLP, Tabular & time series data) – Spark/Ray - MLFlow	LCR/Paris - France
2017-2018 1 y	VIBRATEC Research Intern Engineer - Implemented a specialized signal processing package using convolution techniques - Developed an app for the prediction of wheel/rail forces and estimation of the impact of wear and fatigue phenomena in the railway industry - Analysed outputs signals using signal processing & ML algorithms (CNN/ RNN) - Written a paper in collaboration with LAMCOS – INSA Lyon Technologies Python - Matlab - ML (Tabular data & Computer Vision) - Data Visualization	Lyon – France
2015-2016 1 y	Mines Rabat Solar Car Technical Project Manager/Student - Managed and coordinated the mechanical team to develop the structural design of the car, ensuring successful execution and completion of the project - Won the Moroccan Solar Race Challenge and participated in the COP22	Rabat – Morocco

EDUCATION

2016 - 2018	INSA Lyon Master in Engineering	Lyon – France
2014 - 2016	Rabat School of Mines Master in Engineering	Rabat – Morocco
2012 - 2014	Preparatory Classes of Mathematics & Physics (MPSI/MP)	Fez – Morocco

SKILLS, ACTIVITIES & INTERESTS

Languages	English (Fluent) - French (Fluent) – Arabic (Fluent) – Spanish (Beginner)
Activities	Music (Guitar) – Sports (Rowing and Swimming)