

Hamza Rabi
Entry-level data scientist
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SKILLS

Tools: Python, SQL, Jupyter, Anaconda, Agile, C/C++, Linux,
Libraries: Pandas, NumPy, Matplotlib, Statsmodels, Plotly, scikit-learn, Keras-Tensorflow
Languages: Arabic, English and French

EXPERIENCE

Data scientist September 2020 – April 2021

Freelancer

- Data cleaning, data visualization and Analysis
- built regression, classification and clustering models
- literature review and algorithm implementation

Data Science intern February 2020 – June 2020

VINCI Energies

Casablanca, Morocco

- **Statistical Analysis of time-series data** (Stationarity, Autocorrelation, ETS decomposition...) from electricity meters
- Handling missing values, scaling, Data visualization
- **Developed time-series forecasting models** using LSTM networks, ARIMA, XGBoost, Random Forest and Facebook prophet to predict electricity consumption
- **Using Bayesian techniques to estimate model uncertainty**
- **Hyperparameter tuning** using Optuna: a Bayesian tuning library
- **Collection, cleaning and analysis** of maintenance data to optimize team management and scheduling processes

EDUCATION

Google Professional Data analytics Certificate April 2021

Google - Coursera

Engineering diploma September 2017 – June 2020

Rabat National institute of Mines

Rabat, Morocco

Maths and Physics CPGE September 2015 – May 2017

CPGE center Ibn Baja Beni Mellal

Beni Mellal, Morocco

COURSES

Deep learning specialization

In depth series of courses about deep learning theory and applications

Deeplearning.ai, Coursera

RELEVANT PROJECTS

- Employee Attrition prediction: features analysis, DNN classifiers with imbalanced classes.
- Multi-horizon (1h, 24h, one week) Solar power generation forecasting with XGBoost.

LEADERSHIP

Project Manager January 2018 – January 2019

Mines Makers

Rabat, Morocco

- Team management, planning, progress tracking...
- Participation in robotics projects : Line follower, obstacle avoiding robot, Bluetooth rover...