Tunisia

📱 *+216 58-567-577*

✉ *wael.elferchichi@gmail.com*

in *Wael-El-Ferchichi*

○ *WaelEF*

Wael El Ferchichi

Statistical Engineer

Education

Master's Degree, *Université de Paris - National Engineering School of Tunis.*   **2020-2021**
Computer Vision and Intelligent Machines / Information Processing and the Complexities of Living Organisms

Engineering School, *Higher School of Statistics and Data Analysis..*   **2018-2021**
Statistics & Data Processing

Engineering Preparatory Cycle, *Esprit-Prépa.*   **2016-2018**
Mathematics & Physics Undergraduate Studies

Experience

Machine Learning Research Intern, *BASIRA Lab - L3S.*   **March 2021 - August 2021**
Overall survival prediction in glioblastoma patients:
Tumor segmentation, Radiomics extraction and design of ML-Deep Learning models to extract features from multi-contrast MRI images.

Machine Learning Intern, *Pixemantic.*   **January - June 2021**
Application of ML models in credit-scoring and their interpretability:
Design of ML models with a focus on their interpretability (XAI, SHAP ratios, LIME etc.) and deployment on cloud.

Machine Learning Research Intern, *ESSAI.*   **June - September 2020**
FOREX Trend classification using Machine Learning: :
 - OHLC Data Extraction Automation.
 - Feature Extraction & Forex indicators integration.
 - Developement & Evaluation of classification models.
 - Back-testing of algorithms on recent data.

Data Scientist Intern, *Quantylix.*   **June - August 2019**
Designing a dashboard for Real Estate Market using R :
 - Extracting Online Real Estate Listings.
 - Managing missing data (Imputing, dropping, etc).
 - Investigating structural errors and outliers.
 - Building an interactive Shiny Dashboard to visualize final results.

Certificates

○ Deep Learning Specialization, Coursera - Deeplearning.ai
  ○ Neural Networks and Deep Learning.
  ○ Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization.
  ○ Structuring Machine Learning Projects.
  ○ Convolutional Neural Networks.
  ○ Sequence Models.

Skills

Programming: Python, R, Java, C++, SQL, NoSQL, VBA, SAS.

Database: PostgreSQL, SQL Server, Oracle Database, MongoDB, AWS.

Machine Learning: Tradional Classification & Regression algorithms, Recurrent & Convolutional Neural Networks, Transformers, GANs, scikit-learn, TensorFlow, Keras, etc.

Web: HTML5, CSS3, PHP.

Other: Git, Linux, Shiny, LaTeX.

Languages

English: Fluent (975/990 TOEIC)

French: Fluent

Arabic: Native