

# Wael El Ferchichi | Engineering Student

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## Education

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### Université de Paris - École Nationale d'Ingénieurs de Tunis

Master's Degree

2020-2021

Computer Vision and Intelligent Machines / Information Processing and the Complexities of Living Organisms

### École Supérieure de la Statistique et de l'Analyse de l'Information

Engineering School

2018-2021

Statistics & Data Processing

### Esprit-Prépa

Engineering Preparatory Cycle

2016-2018

Mathematics & Physics Undergraduate Studies

## Experience

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### ESSAIT

Machine Learning Research Intern

Summer 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.

### Quantylix

Data Scientist Intern

Summer 2019

Designing an interface 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

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- 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

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

**Machine Learning:** Classification, Regression, Data Mining, ACP, Decision Trees, Ensemble Learning, Neural Networks (Convolutional & Recurrent Neural Networks), TensorFlow, Keras, scikit-learn, etc.

**Web:** HTML5, CSS3 & PHP.

**OS:** Windows, Linux (Ubuntu).

**Other:** Git, MS Office, Latex.

## Languages

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**English:** Fluent

**French:** Fluent

**Arabic:** Native