



# Bilel DEBBABI

Looking for a data scientist position starting in fall 2021

## Date of birth

09/07/1998

## Place of birth

Tours (37000) France

## Nationality

French - Tunisian

## CONTACT

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3 Avenue Jean Monnet  
92130 Issy-les-Moulineaux  
France

## SKILLS

- Python - C++ - SQL
- Cassandra - Spark - Plotly - Django
- Tensorflow - Scikit-Learn - OpenCV
- Postgres - MongoDB - Neo4j

## LANGUAGES

- French: Mother tongue
- Arabic: Mother tongue
- English: (975 in the TOIEC test)
- German: B2 (Erasmus in Dortmund)
- Spanish: A2

## EDUCATION

- 09/2016 – Now UNIVERSITY OF TECHNOLOGY OF COMPIEGNE (UTC)
  - Master's degree in computer science.
  - Specialty in Decision and Data Mining.
- 03/2018 – 08/2018 TECHNICAL UNIVERSITY OF DORTMUND
  - 4th semester of bachelor in an Erasmus in Dortmund.
- 06/2016 HIGH SCHOOL SCIENTIFIC DIPLOMA
  - With highest honour.



## WORK EXPERIENCE

- 02/2021 – 07/2021 CAPGEMINI – RESEARCH & INNOVATION
  - Research in state of the art models in anomaly detection in videos.
  - Development of an anomaly detection model for human actions in videos. The model is an AutoEncoder based on pose estimation and created using Tensorflow
- 09/2018 – 06/2020 JUNIOR ENTERPRISE
  - Supervision of projects (4 projects obtained and supervised, 1-3 students per project).
  - Management of a customer portfolio and prospection with professionals.
  - Agenda management app for a pharmaceutical leader.
  - Website development for other companies.
- 09/2019 – 02/2020 THALES SIX GTS FRANCE
  - Development of a testing software in the field of Tactical Data Links.
  - Following this internship, this tool is currently used by the teams in Thales, and allows them to verify if the softwares they develop work properly.
- 01/2017 – 02/2017 VALEO COMFORT & DRIVING ASSISTANCE SYSTEMS
  - First encounter with the job of engineer.
  - Quality control of touchscreens in cars



## DATA SCIENCE PROJECTS

- Geometric deep learning
  - Training of a model (PointNet++) on a point cloud face dataset in order to perform a face segmentation, using Tensorflow.
  - The model will be used to track the rehabilitation of facial palsy patients. An article about this project is currently under review in the journal The Visual Computer.
- Object detection in images
  - Development of an object detection model, using a sliding window algorithm.
  - An SVM and HOG features available in the Scikit-Learn library are used.
- Action detection in videos
  - Person tracking and action classification in videos.
  - Usage of the Detectron2 and Slowfast models developed by Facebook AI Research.
  - This project will be used in order to improve remote meetings.



## ACTIVITIES AND INTERESTS

- Financial news and stock investment.
- Sport (Volleyball, running).