# DAVID EL MALIH

#### **Entry-level Data Scientist | Computer Vision Enthusiast**

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#### **EXPERIENCE**

#### Research Data Scientist Intern

#### **Yoobic**

▼ Tel Aviv, IS & Paris, FR

- Object detection Faster RCNN reaching 95% mAP at inference time
- Segmentation Shelves Detection on retail stores images U-Net reaching 98% accuracy at inference time
- One shot learning Image classification using one image per category Triplet Network reaching 90% accuracy at inference time
- Image processing: Perspective correction and image stitching algorithms

Techs: Python, Tensorflow, Keras, OpenCV, Pytorch, GCP Machines

### Software Engineer

#### **Paris Digital Lab**

Paris, FR

#### **IoT Project** @ AccorHotels Group

- Development of an IoT device to protect staff from sexual harassment
- Sending and backing up alerts when the staff member notifies a danger

Techs: LoraWAN, Arduino, RFID/NFC, Node.js, ReactJS

#### **Chatbot Project @ IterimCo**

- Development of a recruitment chatbot that pre-qualifies candidates
- Development of an admin dashboard to follow and control chatbot's actions

Techs: Python, Flask, Dialogflow, Node.js, ReactJS

#### **Data Science Project @ RATP Group**

- Anomaly detection from given daily logs on a subway line
- Unsupervised pattern recognition in unstructured log-data

Techs: Python, Tensorflow, Keras, LSTMs, Pandas, Flask, ReactJS

#### Data Scientist Intern

#### Valeo Group

**#** Jun 2017 - Jul 2017 (2 months)

- Paris, FR
- Focus adjustment algorithm on infrared camera
- Development of an embedded facial recognition algorithm

Techs: Python, Tensorflow, OpenCV, Siamese Networks

## Full Stack Developer

#### **ConduiteCenter**

## Jan 2017 - Jan 2017 (1 year)

- Paris, FR
- Development of the website my.conduitecenter.fr for an online driving school
- Scheduling courses Online payments Automatic invoices and contracts

Techs: ReactJS, Node.js, Firebase, Docker, GCP Machines

#### **EDUCATION**

# MSc, Artificial Intelligence CentraleSupelec

**2016 - 2020** 

Paris, FR

- Mathematics : Statistics, Probability, Large Scale Optimization, Game Theory
- Data Science: Machine Learning, Deep Learning, AI, Reinforcement learning, NLP
- Software Engineering: Software development & OOP (Python & Java)

#### **Intensive Courses**

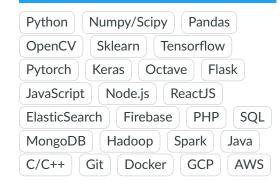
#### Lycée Janson de Sailly

**2014 - 2016** 

Paris, FR

Two intensive years of scientific course to prepare the selective entrance exams for the top engineering schools in France

#### **SKILLS**



#### **CERTIFICATES & COURSES**

Machine Learning by Stanford University on Coursera

Certificate ID: 5ESK7HAM48SE

Deep Learning Specialization by deeplearning.ai on Coursera Ongoing

☐ CS231n: Convolutional Neural Networks by Stanford University on YouTube

#### **LANGUAGES**

French English Hebrew Native Full professional proficiency

High working proficiency