DAVID EL MALIH

Entry-level Data Scientist | Computer Vision Enthusiast

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EXPERIENCE

Research Data Scientist Intern
Yoobic

📅 Sep 2018 – Aug 2019 (1 year)   📍 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

📅 Jan 2018 – Jul 2018 (7 months)   📍 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, Probabilites, 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

`Python` `Numpy/Scipy` `Pandas` `OpenCV` `Sklearn` `Tensorflow` `Pytorch` `Keras` `Octave` `Flask` `JavaScript` `Node.js` `ReactJS` `ElasticSearch` `Firebase` `PHP` `SQL` `MongoDB` `Hadoop` `Spark` `Java` `C/C++` `Git` `Docker` `GCP` `AWS`

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	Native
English	Full professional proficiency
Hebrew	High working proficiency