DAVID EL MALIH

Entry-level Data Scientist

@ da.elmalih@gmail.com | 📞 (+33) 06.50.12.98.56 | 📍 Paris, FR | in linkedin.com/in/elmalihd | @delmalih | 🌐 delmalih.github.io

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)
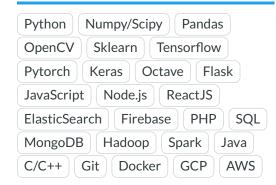
Intensive Courses
Lycée Janson de Sailly
📅 2014 - 2016   📍 Paris, FR

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

HONOR & AWARD

✹ **Coursera's "Machine Learning - Stanford University" certificate**
Ongoing
✹ **Coursera's "Deep Learning Specialization" Certificate**
Ongoing
✹ **Coursera's "ML with TensorFlow on GCP" certificate**
Ongoing
✹ **Mathematics Academic Olympiads**
10th of Morrocco

LANGUAGES

French   Native
English   Full professional proficiency
Hebrew   High working proficiency