

DAVID EL MALIH

Entry-Level Data Scientist | Computer Vision Enthusiast

Looking for new opportunities

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EXPERIENCE

Data Scientist / Data Engineer Sicara

Nov 2020 – May 2021 Paris, FR

- **Data Engineering** - Full data engineering pipeline development with datalake building for data scientists. Handling DevOps tasks.
- **Data Science** - Writing of several articles on [sicara's blog](#). Few-shots learning pipeline development.

Techs : Python, AWS, TensorFlow, Docker, Kubernetes, Terraform, OpenCV

Research - Data Scientist Intern TheraPanacea

Apr 2020 – Oct 2020 Paris, FR

- **Segmentation by registration** - Developed custom registration model (rigid and deformable) - Reaching 80% dice score on small organs

Techs : Python, Mxnet

Research - Data Scientist Intern Yoobic

Sep 2018 – Aug 2019 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 Paris, FR

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, Flask, 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

EDUCATION

M.Sc. in Artificial Intelligence Ecole Centrale Paris

2019 - 2020

Paris, FR

Relevant Courses: Deep Learning in Practice, Decision Modeling, Visual Computing, Excellence in Game Theory, Advanced Medical Imaging, RL, NLP

M.Eng. in Applied Mathematics Ecole Centrale Paris

2016 - 2020

Paris, FR

- **Mathematics** : Statistics, Probability, Functional analysis, Large Scale Optimization, Stochastic process, Time Series
- **Data Science** : Machine Learning, Deep Learning, AI, Reinforcement learning, NLP
- **Software Engineering** : Software development & OOP (Python & Java), Big data & Database Management (SQL, MongoDB, Hadoop, Spark)

CERTIFICATES & COURSES

• **Machine Learning by Stanford University on Coursera**
[Certificate ID: 5ESK7HAM48SE](#)

• **Deep Learning Specialization by deeplearning.ai**
[Certificate ID: 9JG5RVYFBVGM](#)

• **TensorFlow Developer Certificate**
[Certificate ID: 26983746](#)

RELEVANT PROJECTS

- **Breast Cancer Detection** on mammograms - Reaching a mAP of 97%.
- **One-Shot Image Classifier** - Reaching an accuracy of 90%.
- **Shelves Detector** using segmentation - Reaching a pixel accuracy of 98%
- **Unsupervised Anomaly Detection** in unstructured daily log-data of a subway line - Using LSTMs - Reaching 96% accuracy
- ... (More on [delmalih.github.io](#))

SKILLS

