

DAVID EL MALIH

Entry-Level Data Scientist | Computer Vision Enthusiast

Looking for new opportunities

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delmalih.github.io

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

Python

Numpy/Scipy

Pandas

OpenCV

Tensorflow

Pytorch

MXnet

Keras

Sklearn

AWS/GCP

Docker

Kubernetes

JavaScript

ReactJS

Node.js

Flask

Firebase

SQL

MongoDB

Spark

Git