

Mathieu Garrigues

End of studies internship in IT engineering | March 2020 - August 2020
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EDUCATION

POLYTECH LYON

IT ENGINEER PROGRAM
2017 - 2020 | Lyon, France

POLYTECH LYON

MATHEMATICS/IT PREPARATORY
CLASS
2014 - 2016 | Lyon, France

IUT GEII UNIVERSITÉ LYON 1

2013 - 2014 | Villeurbanne, France

LINKS

Portfolio: [/projects](#)
Github: [/M-Garrigues](#)
LinkedIn: [/mathieu-garrigues](#)

SKILLS

PROGRAMMING

Languages:

C • C++ • Python • Swift

Matlab • Java • C#

Machine Learning:

Tensorflow • Keras • SK-Learn

Web:

NodeJS • JS • JQuery • Angular

SQL • PHP

Tools:

Linux • OSX • Git • Docker

Jupyter Notebooks • Anaconda

AWS

LANGUAGES

French | Mother Tongue

English | Fluent

TOEIC | 980

Spanish | Intermediate

MISC

References:

- Available on demand

Hobbies and interests:

- Travelling - More than 20 trips around the world

- Sport - Martial arts practice (Krav Maga - Kung Fu), team sports, free flight.

Soft skills:

Curiosity - Polyvalence - Autonomy

WORK EXPERIENCE

MYFIT SOLUTIONS | IOS - DEEP LEARNING ENGINEERING INTERNSHIP

September 2018 - January 2019 | Lyon, France

- Realisation of an iOS application using augmented reality, allowing the 3D scanning of parts of the human body.
- Research of solutions, creation of a dataset and a pipeline for the training of a deep convolutional network, used for the detection and localisation of body parts.
- Integration of the trained network in the application.

SOPRA STERIA | WEB ENGINEERING INTERNSHIP

September 2017 - January 2018 | Limonest, France

- Integration with a TPAM team for the CNAF client.
- Development of evolutions and fixes for the procedures of the CNAF web portal.
- Participation in evolutionary versions: costing, development, qualification, delivery.

BRODEV | FREELANCE WEB DEVELOPER

February - May 2017 | Lyon, France

- Development of websites and back offices for the startup Brodev SAS.
- Work in small team on established specifications, collaboration with an external designer.

LYON ASTROPHYSICAL RESEARCH CENTER | WEB INTERNSHIP

July - August 2016 | Saint-Genis-Laval, France

- Creation of a content management system in PHP, with Symfony 2.
- Autonomous work based on self-established specifications.
- Complete project: article generation scripts, search engine, referencing.

PROJECTS

[Full portfolio link](#)

MOOC MACHINE LEARNING COURSERA | MATLAB, PYTHON

February - April 2018

Andrew NG's famous Machine Learning course on Coursera. It provides a good foundation in the mathematical aspects of Machine Learning, exploring neural networks, SVMs and clustering.

NUCLEI IDENTIFICATION | KERAS, TENSORFLOW

2018

First **Kaggle Challenge** carried out in team. Generation of masks for cell nucleus recognition in microscope images.

AUTODIDACTE | C

2016

Artificial intelligence for driving a car in a 2D environment, trained by a genetic algorithm. Best promotion project.