

Marco Boucas

Master of Engineering Student & Data Scientist

Looking for a internship abroad in Artificial Intelligence, available in August 2020

INFORMATION

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EDUCATION

DIGITAL TECH YEAR

Feb. 2020 - Present | Paris Digital Lab

- Admitted to the one-year digital technology specialisation program.
- One semester of agile prototyping at the ParisDigitalLab, developing real-world projects for French Organizations.
- One semester international work experience as an intern in a startup or large company.

MASTER OF ENGINEERING AT CENTRALESUPÉLEC

Sept. 2018 - Present | CentraleSupélec

CentraleSupélec is an elite Engineering School, member of France's Grandes Ecoles, based on a highly selective recruitment process.

INTENSIVE PREPARATORY COURSES

2016-2018 | Saint-Louis

Intensive courses in Maths, Physics, Engineering Science for the french Grandes Ecoles.

SKILLS

Languages

Python • Javascript/Typescript • HTML/CSS

DataScience

Numpy • Pandas • Scikit-Learn •
Keras/Tensorflow • NLTK • NLP •
ComputerVision

Web

NodeJs • Express • Sequelize • Certbot •
NGINX/Apache • React • Socket.io

Working Tools

Linux • Windows • Git • Latex

Innovative Methodologies

Design Thinking • Scrum Methodology

🇫🇷 French	Native
🇺🇸 English	Fluent
🇩🇪 German	Good Notions
🇪🇸 Spanish	Notions

EXPERIENCES & PROJECTS

DATA SCIENTIST & AGILE PROTOTYPER | PARIS DIGITAL LAB

2018-2019 | Paris

ParisDigitalLab is an open innovation training device to enable students to become proficient in various technologies through the realization of real-world projects, using scrum methodology.

• Emotions Recognition in Videos for Flashbrand

Flashbrand is an innovative startup that aims to revolutionize feedbacks and HR methods using AI and an employee centred approach.

Creation of a **software capturing video in real time** from the user. Use of Machine Learning algorithms to classify emotions in a coach bot.

[NodeJs](#) - [Microsoft Azure](#) - [Transformers \(DistilBERT\)](#) - [VueJs](#)

• Coefficient Computation for RunWaiz Safran

RunWaiz is the winner of the "We Love Intrapreneurs" program of Safran, it intends to create an airport decision making tool based on runwaiz conditions.

Creation of a **Machine Learning pipeline**. Search for the best algorithm to evaluate the runway condition based on sensors outputs.

[Scikit-Learn](#) - [Keras](#) - [Numpy](#) - [Pandas](#)

DATA SCIENTIST STUDENT | CENTRALESUPÉLEC

2018-2019 | Paris

CentraleSupélec courses require the completion of projects to validate the skills acquired during the studies.

Courses : Big Data, ML, Computer Science, Statistics, Distributed Calculus

• Tweets Analysis

Detection of movies audience score based on a scraped database of tweets. Use and comparison of several algorithms and methods (TF-IDF, Bag of words and LSTM with Embedding).

[NLTK](#) - [Numpy/Pandas](#) - [Keras/Tensorflow](#) - [LSTM](#)

• Clustering pedagogical platform

Creation of a web platform allowing CentraleSupélec students to easily **learn Clustering algorithms**. Development of exercices and notebooks testing the knowledge

[Django](#) - [Jupyter](#) - [K-Means](#) - [DBSCAN](#) - [Hierarchical Clustering](#)

DATA SCIENTIST STUDENT - MYREZIN3D | VIARÉZO

2018 | Paris

ViaRézo is an association of students dedicated to the management of the internet network on the student residence (2,000 members).

Creation of a **3D modeling platform** for CentraleSupélec students residences.

Monitoring the networks elements of the infrastructure (wifi hotspots, switches, ...).

[NodeJs](#) - [Python](#) - [Numpy](#) - [REST API](#) - [Socket.io](#)

WEBSITE DEVELOPER - AUTOMATANTS WEBSITE | AUTOMATANTS

2018-2019 | Paris

Automatants is an association of students promoting Artificial Intelligence on the Paris Saclay campus.

Development of the website [automatants.cs-campus.fr](https://www.automatants.cs-campus.fr); creation of a **self-training system** allowing members to follow formations and practice on exercices.

[NodeJs](#) - [Express](#) - [Sequelize](#)