

# 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](#)