

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

[Paris Digital Lab](#)

February 2020 - Present

- 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

[Centralesupélec](#)

September 2018 - Present

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

INTENSIVE PREPARATORY COURSES

[Saint-Louis](#)

2016-2018

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 and processing it using Machine Learning algorithms to classify emotions in a coach bot.

[NodeJs](#) - [OpenSMILE](#) - [Tensorflow/Keras](#)

- **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 and search of 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**

A project aiming to detect the audience score of movies based on a scraped database of tweets. We used and compared several algorithms and methods (TF-IDF, Bag of words and LSTM with Embedding).

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

- **Clustering pedagogical platform**

A web platform to allow CentraleSupélec students to easily learn Clustering algorithms and improve their skills through exercises and notebooks.

[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).

As Web Development Manager, I have created MyRezIn3D, a **3D modeling project** of CentraleSupélec students residences. It allowed us to **monitor the networks elements** of the infrastructure (wifi hotspots, switches, ...) to know their location and operating status.

[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.

I have developed the entire website during the creation of the association automatants.cs-campus.fr and a **self-training system** for members allowing them to follow courses and do exercises.

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