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 recruitement 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 comparaison 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 knownledge
  Django - Jupyter - K-Means - DBSCAN - Hierarchical Clustering

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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*, creation of a **self-training system** allowing members to follow formations and practice on exercices.
NodeJs - Express - Sequelize