

Léo BOURGNOUNESQUE

Data Scientist



EDUCATION

2020

Applied Data Science with Python + TensorFlow Developer – Coursera
(University of Michigan/DeepLearning.AI – MOOC – Coursera with certification)

- Introduction to Data Science: Pandas, NumPy, SciPy
- Applied Plotting, Charting & Data representation: Matplotlib
- Applied Machine Learning: Scikit-Learn
- Applied Text Mining (NLP): NLTK
- Introduction to TensorFlow for AI, ML and DL: DNN, CNN
- Convolutional Neural Networks in TensorFlow



2019 – 2020

Advanced Master: Aerospace Project Management – ISAE-SUPAERO
(ISAE-SUPAERO/ENAC/French Air Force – Toulouse/Salon de Provence, France)

- ISAE-SUPAERO: project management – tools and methods
- ENAC: civil and military aerospace environment – specificities
- French Air Force: economical and financial aspects of aeronautical project



2014 – 2019

Generalist Engineer – ICAM

(Institut Catholique d'Arts et Métiers – Toulouse, France)

- Preparatory class PTSI + Engineering cycle: informatics, mathematics, mechanics, material science, energetics, industrial automation, automatic control systems
- Database project: Website development using HTML, PHP and MySQL



WORK EXPERIENCE

June – September
2020

Data Scientist / Configuration Management Improvement (internship) – Test Department

(Airbus – Toulouse, France)

- Data Scientist: Anomaly detection in flight test data. Data collection, Data Cleaning, EDA, Model to differentiate OK and KO sensors. Stack: Python, Pandas, NumPy, Matplotlib (Seaborn), Sklearn (Pipelines, StandardScaler, PCA, K-Mean)
- Configuration Management for Lab Tests Improvement: Analysis of existing tools, Needs and requirements identification, Proposal for improvements (POC)



February –
August 2019

Mechanical Engineer (internship) – Systems Installation Department

(Altran – Blagnac, France)

- Optimization of installations located in the A350 cockpit
- Meshing and mechanical calculations of A350 brackets
- Creation of automation in VBA language
- Writing scientific reports



June – July
2016



Assistant Engineer (internship) – Incident Analysis Department

(SII - Société pour l'Informatique Industrielle – Toulouse, France)

- Development of templates for flight data
- Analysis of flight data

Abroad experiences:

Experiment in Australia and New-Zealand

- Discovering new cultures
- Autonomous travel
- Various jobs (gardening, handling, etc.)

Seasonal jobs:

Staff canteen worker / Maintenance of green areas

(CE Airbus Operations SAS – Toulouse, France)

June – September
2017

Summer 2015,
2016 et 2018

CONTACT

+33 6 28 19 56 85

leo.bourgnounesque@hotmail.com

France

National mobility (Paris,
Toulouse, Lyon, Bordeaux)

23 years old

Driving license

SKILLS

Technical

Project management
Organizing meetings
Agile methods

Computer

Microsoft Office (Word, Excel,
Power Point, MS Project)

VBA, Python

Data Science: Pandas, NumPy,
Matplotlib, Scikit-Learn, NLTK,
TensorFlow, Keras

HTML, PHP and SQL

Jupyter, Colab, PyCharm, GitHub
Catia V5, Nastran, HyperMesh

LANGUAGES

French: native speaker

English: B2 level:
TOEIC test (870)

HOBBIES & INTERESTS

Tennis in competition (15/5)

Rugby, padel and indoor soccer

Piano

Academic support:

- Lessons for students failing academically (volunteer)
- Individual lessons