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

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SUPAERO

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

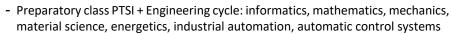
- ISAE-SUPAERO: project management tools and methods
- ENAC: civil and military aerospace environment specificities
- French Air Force: economical and financial aspects of aeronautical project

2014 - 2019

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Generalist Engineer - ICAM

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



- 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)

AIRBUS

- 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:

June – September 2017

Experiment in Australia and New-Zealand

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

Seasonal jobs:

Summer 2015, 2016 et 2018 **Staff canteen worker / Maintenance of green areas** (CE Airbus Operations SAS – Toulouse, France)

(volunteer)

Individual lessons



CONTACT

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France
National mobility (Paris,
Toulouse, Lyon, Bordeaux)
23 years old
Driving license (car + scooter)

SKILLS

Technical

Project management Organizing meetings Agile methods

Computer

Microsoft Office (Word, Excel, Power Point, MS Project), VBA **Python**, knowledge in C++ & Java **Data Science**: Pandas, NumPy, Matplotlib, Scikit-Learn, NLTK, TensorFlow, Keras HTML, PHP, **SQL, Flask, Django** Jupyter, Colab, PyCharm, Git 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)