Léo BOURGNOUNESQUE

Data Scientist

EDUCATION

2020

UNIVERSITY OF MICHIGAN

deeplearning.ai

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

ISAE SUPAERO
Institut Supérieur de l'Aéronautique et de l'Espace

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

icam

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

AIRBUS

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 Improvement: Analysis of existing tools, Need and requirement analysis, Proposal for improvements (POC)

February – August 2019

altran

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

sii

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)

CONTACT

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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
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