Alan**BIGNON**

Data Scientist / Data Engineer / Machine Learning Engineer

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EDUCATION

Master of Computer Science for Data Science (in apprenticeship) 09/2022 - 09/2024
University of Paris-Saclay - M1 & M2

- Learning different statistical methods and **machine learning** algorithms
- Collaborated on numerous projects applying data science methods to solve complex problems.
- Data Warehouse: multidimensional modeling, **SQL**, OLAP and warehouse architecture.
- Distributed processing concepts (multi-thread, client/server, **Big Data**) with introduction to Hadoop and Spark.

Computer Science Degree 09/2019 - 08/2022
University of Nantes - L1, L2 & L3

- Acquired a thorough knowledge of the fundamentals of computer science, including basic algorithms, data structures and software development methodologies.
- Engaged in practical projects and coursework, using programming languages such as Java, **Python**, and C++.

WORK EXPERIENCE

Orange Business | Data Scientist Consultant | Apprenticeship 09/2022 - 09/2024

- **Reinforcement Learning** to optimize remote control car speed.
- Development and deployment of an intern **NLP** package via gitlab pipeline.
- Creation of a **RAG** chatbot using Azure and Python.
- CSR : Application for calculating carbon costs of IT projects.

Orange Business | Data Scientist Consultant | Internship 04/2022 - 07/2022

- Developed and showcased a **computer vision** project.

Thinkcode | Django Developper | Internship 03/2019 - 07/2019

- Developed backend services for a web application using Django, a Python web framework.

SKILLS

Programming Language Proficient in Python, knowledgeable in Julia and Ocaml
Tech Skills Machine learning, data mining, statistical modeling, computer vision
Packages Experience with TensorFlow, Keras, scikit-learn, pandas, NumPy
Version Control Proficient in Git and GitHub\GitLab
Language Fluent in French (Native), English (C2)
Soft Skills Strong analytical and problem-solving skills

PROJECTS

Basic autograd implementation | *GitHub Link* 2024

- Used Python to implement a basic autograd system from scratch.

Native Language detection | *GitHub Link* 2024

- Development of a machine learning classification model to predict native language from English texts written by native speakers of more than ten different languages.

CERTIFICATION

2023 Toeic 980/990
2022 Toeic 985/990