

# Alan **BIGNON**

✉ [contact@alanbignon.com](mailto:contact@alanbignon.com) | [in](#) LinkedIn | [globe](#) [alanbignon.com](http://alanbignon.com)

## 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 Developer | 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