

# AlanBIGNON

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## EDUCATION

*Master of Computer Science for Data Science (in apprenticeship)* 09/2022-09/2024

Université de Paris - Saclay - **M1 & M2**

- Learned advanced statistical methods and machine learning algorithms.
- Collaborated on real-world projects, applying data science techniques to solve problems.

*Computer Science Degree* 09/2019-08/2022

Université de Nantes - **L1, L2 & L3**

- Acquired comprehensive knowledge of computer science fundamentals, including algorithms, data structures, and software development methodologies.
- Engaged in practical projects and coursework, using programming languages such as Java, Python, and C++.
- Explored specialized areas such as computer networks, databases and operating systems, gaining insight into various facets of modern computing.

## WORK EXPERIENCE

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

- Reinforcement Learning to Optimize Remote Control Car Speed.
- Developed machine learning models to analyze datasets and categorize different workload for better resource allocation.
- Wrote Python code to automate data processing tasks.
- Developed and showcased an innovative computer vision project.

Thinkcode | *Django Developer* 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

**Version Control** Proficient in Git and GitHub\GitLab

**Language** Fluent in French (Native), English (Advanced)

**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.
- Demonstrated the inner workings of a neural network by building a simple feedforward model.

Language detection | [GitHub Link](#) 2024

- Developed a language detection model using Python and scikit-learn.
- Trained the model on a multilingual dataset, achieving high accuracy in language identification.

## CERTIFICATION

2023 Toeic 980/990

2022 Toeic 985/990