

Matthieu Randriantsoa

Data Scientist Intern

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github.com/Mxtsxw

Ambitious and diligent computer science student with a passion for data science and artificial intelligence. Extensive software development experience with a strong focus on AI/data-driven solutions. Seeking international opportunities to apply ML/DS expertise and contribute to innovative projects.

Education

- University of Lyon 1**, MSc in Data Science and Artificial Intelligence Sept 2024 – Current
- **Coursework:** Data Visualization, Deep Learning Techniques, Large Language Models (LLM), Computer Vision
- Polytech Lyon**, M.Eng in Computer Science Sept 2022 – Current
- **Coursework:** Software Development, Statistical Analysis, Supervised Learning, Unsupervised Learning, Reinforcement Learning
- University of Orléans**, Higher National Diploma (HND) in Computer Science Sept 2020 – June 2022
- **Coursework:** Data Structures and Algorithms, Software Development, Data Mining

Experience

- Software Engineer Intern**, AXOPEN – Lyon, France Sept 2023 – Feb 2024
- Developed a management platform for professionals using Spring Boot and Angular.
 - Maintained and enhanced application performance by resolving bugs and adding new features.
 - Utilized SonarQube to ensure code quality, resulting in a 20% reduction in code issues.
 - Developed and optimized Java-based image processing algorithms, improving efficiency and enabling support for new image formats.
- Software developer and Data Science Intern**, Laboratoire d'Informatique Fondamentale d'Orléans – Orléans, France Apr 2022 – June 2022
- Developed a web-based educational solution integrating educational data mining with data preprocessing and visualization.
 - Built a Flask application to deploy machine learning models with a user-friendly interface.
 - Processed and optimized 6,000 training data entries using Python, enhancing model accuracy and efficiency.

Skills

Programming Languages: Python, R, Java, JavaScript, SQL **Tools:** Git, SonarQube

Frameworks & Libraries: PyTorch, scikit-learn, Pandas, NumPy, React, Angular, Spring Boot **Databases:** Firebase, MySQL, GraphQL

Languages: French - Native | English - Advanced (C1)

Personal Engagement

- IT Manager at Polytech Engineering Consulting (Student-Led Firm)**
- Led the development of custom tools and software to improve internal processes, boost productivity, and ensure GDPR compliance for the firm.

Interests

- **Volleyball:** competitive practice for 4 years