

# ASTRUC MATHIEU

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## SUMMARY

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Passionate about artificial intelligence and data analysis, I am an engineering student specializing in Big Data, always eager to learn and take on new challenges. Through my academic journey and professional experiences, I have developed strong skills in programming, machine learning, and process automation. Enthusiastic and curious, I am actively seeking opportunities to deepen my knowledge and contribute to innovative projects in the field of AI.

## WORK EXPERIENCE

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### Data Engineer Junior - Banque de France

Internship 2024 - 3 months

- **Data Scraping Automation:** Developed Python scripts integrating ElasticSearch for large-scale data scraping, enhancing data processing for AI models like Retrieval Augmented Generation (RAG).
- **ASR Integration:** Utilized Automatic Speech Recognition (ASR) to convert speech to text, improving automated spoken data analysis.
- **Workflow Automation:** Leveraged Selenium for efficient data retrieval and workflow automation.

### Electronic Technician - Via Electro

Summer Job 2023

- Installed and maintained electronic security, access control, image and sound systems for major clients and large-scale projects. Managed network and computer rack systems.

### Intern - GRDF (France's leading natural gas distribution operator)

Internship 2021/2022

- Worked at GRDF in various positions, gaining knowledge of managerial roles and financial and economic aspects.
- Learned about asbestos prevention and risks, and the concept of green gas and its ecological and economic benefits.

## EDUCATION

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### ESAIP - IT engineering curriculum - Angers, France

Sep 2021 - Jun 2026

- Student at ESAIP Diploma accredited by the Commission des Titres d'Ingénieurs and EUR-ACE accredited by the CTI
- 2021/ 2023: 2 years of integrated preparatory courses 2023/2026: computer and network engineering cycle and Big Data option

### SeAMK - Profesional Studies in Technology - Seinäjoki, Finland

Jan 2024 - May 2024

- I studied different courses all linked to IT such as C++, C# , Embedded Systems, Object-oriented Programming, Intro to AI, Laboratory Assignments in Electronics, Software Project (unity), Project Work in Automation (Unity and Twincat)

### Lycée Jean Perrin - Marseille, France

Sep 2018 - Jul 2021

- High level Athlete and Basket-Ball Training academy BAC - Specialty Physics and Human Sciences, Maths option

## ADDITIONAL INFORMATION

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- **Programming Languages:** Python, C#, C++, JavaScript, HTML, CSS
- **AI & Cloud:** Azure AI, Hugging Face, LM Studio
- **Machine Learning:** scikit-learn, PyTorch, Keras, TensorFlow
- **Image Processing:** Matlab, Octave
- **Office Tools:** Office 365, Adobe Suite, GSuite, DaVinci
- **Project Management:** Jira, Microsoft Project
- **Languages:** Native French, English (B2 - 870/990 TOEIC), Spanish (B1)
- **Hobbies:** Competitive basketball, content creator