ASTRUC MATHIEU

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SUMMARY

I'm an engineering student specialising in Big Data, currently looking for a three-month placement abroad from June to August in a research laboratory. I have a great thirst for learning and a passion for teamwork, which allows me to thrive in collaborative projects. My aim is to improve my skills in computer science, artificial intelligence and data processing. I enjoy working on motivating and challenging subjects that keep me engaged and motivated. I'm ready to take on new challenges and make a positive contribution to your team while developing my knowledge in these areas.

WORK EXPERIENCE

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

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 - Seinäkjoki, 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

- **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