



Léo Bourbon

IT Engineer, graduated from the ENSIMAG School of Computer Science and Applied Mathematics after a three-year work/study course. Now looking for an opportunity to use my experience and skills in the next phase of my career.

Work Experience

09/2021 – 08/2024 SAINT-MARTIN-D'HÈRES, FRANCE

Software Engineer

Atmo Auvergne-Rhône-Alpes

Responsible for internal AI education, development and consultancy.

- Public speaking, management, consulting – Introduction and internal consulting of Atmo AuRA on the topic of AI. Conducted many activities such as surveys, presentations, workshops, and illustration design. Foundational work for Atmo AuRA's current AI approach.
- Typescript, Nuxt, Impact Analysis – Development and lifecycle analysis of a custom AI research assistant, including deployment and usage.

Dedicated IT engineer of the Research and Innovation team.

- Typescript, Nuxt – Design and implementation of an air sensor visualization web platform for collectivities ; Creation of an AI showcase, glossary and use case listing website, for internal use at Atmo AuRA.
- C++, Electronics – Development of a mobile data transmission module for existing air sensors.
- PowerBI, Python – Satellite data processing and visualization, critical study of the relevance of satellite data compared to existing methods.
- PostgreSQL, TimescaleDB – Maintenance and optimization of the data storage architecture, reducing load times and complexity of the databases.

07/2023 – 08/2023 WINDISCH, SWITZERLAND

Software Engineer (intern)

University of Applied Sciences and Arts Northwestern Switzerland FHNW

- Critical Analysis, Research, Docker, Bash – Performed extensive research and analysis to improve the current software stack, and implemented a robust backup/restore system.
- Critical Analysis, Research, Nuxt, Node-RED, Python – Conducted a comprehensive study on automating the configuration of IOT devices and related applications, and developed a web platform to do so.

Education

09/2021 – 08/2024 SAINT-MARTIN-D'HÈRES, FRANCE

Applied Mathematics and Computer Sciences | Engineering degree

Grenoble INP - Ensimag, UGA : Graduate School of Engineering

Graduated from their accredited work-study program, with a major in Information Systems Engineering.

- Assembly, C – Gained a better understanding of low-level concepts by writing a simple x86 operating system from scratch.
- AI, Python, Godot – Applied AI concepts by developing and training an AI-powered traffic light controller to optimize traffic flow. Project leader of a team of 4.
- Java, ANTLR – Furthered my understanding of parsing and compilation by developing a compiler for an object-oriented subset of Java called Deca. Project leader of a team of 6.
- RaspberryPI, Electronics – Practical application of concepts by creating a smart cradle. Project leader of a team of 5.
- Cybersecurity – Ex-member of the cybersecurity association Securimag, where I gave some talks and workshops.

Education

09/2019 – 08/2021 ANNECY, FRANCE

Computer Science | 2 year technical degree (DUT) IUT Annecy

- NodeJS, Python, Bash – Creation of a data visualization and processing Grafana module for machine learning and data mining. Built for the LISTIC laboratory of Annecy.

09/2016 – 08/2019 RUMILLY, FRANCE

Engineering sciences | High school diploma - European option - ISN specialty

Lycée de l'Albanais

- Arduino, Electronics – Created an autonomous suitcase for the regional engineering Olympiads.

Strengths

Public speaking # Teamwork # Adaptable
Autonomy # Efficiency # Leadership

Skills

– LANGUAGES

French Native
English (TOEIC: 980/990) Full

– PROGRAMMING LANGUAGES / FRAMEWORKS



– COMPUTER SKILLS / TECHNOLOGIES



– SOFTWARE MASTERY



Hobbies



References

Claire CHAPPAZ
Atmo Auvergne-Rhône-Alpes