Enzo ANDREOLI

Nationality: French

Gender: Male

Contact

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europass

WORK EXPERIENCE

POKaPOK Plouzané, France

Software Engineer Apprentice

01/09/2025 - 09/08/2026

Industrialisation of a Scientific Computing and Statistical AI Platform (MinMax Project)

- **Architecture & Backend:** Designed a robust FastAPI API with asynchronous task management using Redis and FIFO queues.
- **Data Engineering & Performance:** Migrated Pandas workflows to Polars and DuckDB using lazy loading, enabling efficient processing of several hundred GB of oceanographic data.
- **Database Optimisation:** Redesigned PostgreSQL databases using time-ordered UUIDs (UUIDv6) and BRIN indexes to improve time-series read performance.
- **DevOps & CI/CD:** Implemented GitLab CI/CD pipelines and optimised environments with uv, reducing Docker image build times by 5x.
- **Frontend:** Developed a spatio-temporal data analysis interface with Vue.js 3, Vuetify and interactive Leaflet maps.

EDUCATION & TRAINING

28/09/2026 - CURRENT Ploufragan, France

Master's Degree in Computer Science Specialisation in Computer Security, Cybersecurity and Cyber Threats CNAM Bretagne

Level in EQF: EQF level 7

01/09/2023 - 22/06/2026 Laval, France

Bachelor's Degree in Computer Science IUT de Laval

Level in EQF: EQF level 6

01/09/2020 - 30/06/2023 Brest, France

French Baccalaureate - Mathematics, Physics and Chemistry Lycée La Croix Rouge La Salle

Level in EQF: EQF level 4

SKILLS

Python (computer programming) | Java (computer programming) | C++ | Programming basics: Python; C/C++; Rust | DevOps | PostgreSQL | MySQL | Version Control (Git) | tools for software configuration management | Git/Github, Docker, Gitlab | Databases (MongoDB MySql PostgresSql) | CI/CD | Databases (PostgreSQL/PostGIS, MySQL, Redis) | integrated development environment software | Visual Studio Visual Studio Code | JavaScript Framework | Data Science | Data Collection, Data Processing, Data Analysis, Data Visualisation | Basic Python, Java, Javascript, HTML, CSS, NodeJS

LANGUAGE SKILLS

MOTHER TONGUE(S): French

OTHER LANGUAGE(S):

English

Listening C1	**Spoken production** C1

Reading B2 **Spoken interaction** C1

Writing B2