

Victor ILLIEN

IA Software Engineer

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📄 Gouderg
Born in 2000, driving licence



I am looking for a fixed-term contract in the field of web development or artificial intelligence.

Work Experience

IFREMER **Bioinformatics Engineer**, Oct. 2023 – Dec. 2025 / CDD
Le Port **LEAD Developer**

- Creation of a workflow for 15 TB of data (2.6 million images) from acquisition to distribution using OGC standards, DarwinCore, and FAIR principles.
- Aggregation of fisheries data from the IOSSS/FLOPPED/GERMON/DMX/POPSICLE databases.
- Design of applications and servers (Next.js, FastAPI, Dash) for data visualization.
- Multilabel fine-tuning for automated classification/segmentation of marine taxa and substrates.
- Design and control of an autonomous catamaran for eDNA sampling. (pPumpit project)
- Maintenance and deployment of an ASV for marine data acquisition. (Plancha project)
- Seatizen project** – Collaborative database of aerial and underwater marine images.
- Winner of the Open Science Prize "creating the conditions for reuse" (MESR)
- Published in *Nature Scientific Data*

CERVVAL **Full Stack Developer**, Oct. 2022 – Sept. 2023 / Work-study
Brest

Software for on-demand service ordering from RATP.
Worked in a 7-person Agile team.
Onboarded an in-house TypeScript framework and a software product after 2 years of development.
Added new features involving all layers of the software stack.

CIIRC CTU **Developer**, May. – Aug. 2022 / Internship

Prague *Neural network based real-time eyetracking system.*
Training and inference using the Nvgaze architecture.
Set up Nvidia TensorRT development environment from scratch.
Optimized inference across all stages (video stream, predictions, writing).

Education

Computer Engineer Specialized in AI, ISEN OUEST, Brest, 2023

Master 2 – Artificial intelligence, ISEN OUEST, Brest, 2023

Master 1 – Medical technologies and health, ISEN OUEST, Brest, 2022

Integrated preparatory class in Computer and Networking Cycle, ISEN OUEST, Brest, 2020

Scientific secondary school diploma with distinction, Lycée Levavasseur, Saint Denis, 2018

Languages et Computer Skills

French	Native language	OS	Ubuntu, Windows
English	820 pts TOEIC	MCU	Arduino, Raspberry Pi
Front-end	HTML/CSS/JS, React, NextJS	Server	Apache, Nginx , Docker
Back-end	FastAPI, Symfony, Nodejs , Flask	Database	MySQL, SQLite, MongoDB, PostgreSQL
Software	C/C++ , Python (Dash, Transformers) , R	Software	QGIS, Matlab

Interests

Sport	Basketball in competition, Hiking, Diving
Code	Problem solving(adventofcode, Hackerrank), AI(connect 4, tic-tac-toe), Sudoku solver, Discord bot
Electronics	Projects with Arduino and Raspberry Pi
AI	Technological monitoring and model experimentation