

# Victor ILLIEN

## IA Software Engineer

97490 Ste Clotilde (Reunion Island)

+33 7 66 19 99 54

✉ victor.illien974@gmail.com

🌐 gouderg.github.io/website-cv

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