

Francisco Bicudo

Software Engineer



franciscobicudo.com

SUMMARY

Software Engineer with an interest in **AI, LLMs, Full-Stack Development, Deep Learning** and **Startups**. Working **Full Remote**.

First author of a **research paper** published at [EPIA 2024](#). Examples of my work can be found on my [website](#).

Fluent in: **English, Portuguese, French**

Located in: **Lisbon, Portugal**

Skills: **Python, LLMs, Js, Next.js, Java, SQL, Tensorflow** Characteristics: **Strong communication, Motivated learner**

EXPERIENCE

AI Software Engineer

[AugustaLabs](#)

2025-Present

Sole technical owner of an AI Voice Agent initiative for a leading healthcare provider, covering technical communication, architecture, development, and deployment.

Designed and implemented LLM-driven solutions across multiple projects, including automated document processing and agentic AI assistants, improving operational efficiency and user experience.

Research on Processing Cetacean Audio Using Entropy and Deep Learning

[NOVA SST](#)

2023-2024

Multidisciplinary thesis and research work involving traditional software, machine learning, media(sound), and biology.

- Developed an automatic processing solution for dolphin and whale recordings that produces useful samples from fresh data, aiding both biologists and fellow machine learning researchers.
- This included the creation of a highly efficient [entropy based denoising method](#) for vocalisation spectrograms and a Convolutional Neural Network based Classifier to detect their presence in long underwater recordings.
- A small prototype application: *Dolphin Detector* was also produced in order to make the resulting solution available to biologists.

This work was done in collaboration with the team at [Madeira's Whale Museum](#) and produced the research paper mentioned above.

A Letter of recommendation from my advisor can be found [here](#).

Frontend Development Internship (React)

[Uniksystem](#)

Oct 2021- Feb 2022

EDUCATION

Integrated Masters in Computer Science and Software Engineering

[NOVA SST](#)

2018-2023

Bachelors and Masters degree in computer and software engineering with a special interest in deep learning.

Final Thesis grade of 18/20

Baccalauréat Général série S

[Lycée Français Charles Lepierre](#)

2003-2017

French international school in Lisbon.

ADDITIONAL INFORMATION

Volunteer Work - [CASA](#)

I participate in biannual food collection campaigns, where I am responsible for a small group of volunteers.

Hobbies: Building Computers, Games, D&D

Sports: Swimming, Hiking, Sailing - Portuguese Boat License (Patrão de costa)