

GUILHERME NUNES TROFINO

✉ guilherme-trofino 🔗 tr0fin0
📧 guilherme.trofino@ensta-paris.fr ☎ +33 07 49 18 55 00 📍 Paris, France

EXPERIENCES

Embedded Hardware Designer Intern

Sysnav

📅 04/2024 – 09/2024

📍 Vernon, France

In collaboration with an electronics engineer, I helped design a testing tool for the Syde product, enabling the creation of usage scenarios through a Python library that communicated via UART with an STM32H7 programmed in C.

This allowed for the automated simulation of various scenarios, scaling the quality control process after the product's production.

Highlight: C, Git and Python.

Retail Vendor Manager Intern

Amazon

📅 09-2023 – 03/2024

📍 Clichy, France

In collaboration with a Senior Vendor Manager, I helped provide tools to optimize business performance and drive sales growth. This included an Excel macro to identify licensed selection twenth times faster, allowing deep dives in large datasets, uncovering trends, extracting customer insights, and taking action.

I also developed a comprehensive and visually appealing Dashboard in Excel, facilitating benchmarking at various levels of granularity, simplifying the identification of growth opportunities and the implementation of new strategies for the team.

Highlight: Excel, PowerPoint and VBA.

Neuroscience Research Intern

ISIR, Sorbonne Université

📅 05/2023 – 08/2023

📍 Paris, France

Developing a user-friendly simulation environment using Webots and Python, facilitating the assessment of the sensorimotor modelization of the hippocampus based on the framework proposed by Benoît Girard and Sylvain Argentieri.

Highlight: Git and Python.

Head of Team

Phoenix Robotics Team of UNICAMP

📅 07/2021 – 07/2022

📍 Campinas, Brazil

Improve Team Members' selection process, aiming for more diversity, resulting in the best inscription ratio, over 125 people from 500, and resulting in the best percentage of women among the approved, 16 from 35 people.

Highlight: Communication, Leadership, and Project/Product Management

EDUCATION

Auditor for the Master of Embedded Systems and Information Processing

Université Paris Saclay

📅 09/2024 – Ongoing

📍 Gif-sur-Yvette, France

Embedded Linux, Multisensor Data Fusion and Reasoning under Uncertainty, Scheduling and Kernels for Real-Time Embedded Systems, and Robotic Vision.

Computer Engineering Degree, MSc in Robotics

ENSTA Paris, Institut Polytechnique de Paris

📅 07/2022 – Ongoing

📍 Palaiseau, France

Machine Learning, Image Analysis and Indexing, Deep Learning, Dynamics and Control of Systems, Kalman Filter, Software Engineering, Parallel Programming, and 3D Segmentation / Vision.

Control and Automation Engineering, BSc Engineering

FEM, UNICAMP

📅 03/2019 – Ongoing

📍 Campinas, Brazil

Highlight: Double Degree with ENSTA Paris



Engineering student at ENSTA Paris in BAC+5 (Master's level), I am currently seeking a **final year internship** in software and/or hardware development for:

- data analysis;
- embedded systems;
- robotics;

starting in April 2025, for a duration of 6 months.

LANGUAGES

Portuguese : Native

French : Advanced **C1** (CEFR)
English : Advanced **C1** (CEFR)
Spanish : Beginner **A2** (CEFR)

SKILLS

Coding:

Assembly	C/C++	LaTeX
Bash	Java	MATLAB
VHDL	Python	VBA

Tools : Git, Docker, VSCode and WSL

Adobe : Illustrator and Photoshop
Electronics : Altium Designer
Office : Excel, PowerPoint and Word

Softskills : Communication, Leadership, and Project/Product Management

VOLUNTARY

Paralympic Games Volunteer Paris 2024

📅 2024

📍 Villepinte, France

Ambassador

Patronos UNICAMP

📅 2021

📍 Campinas, Brazil