

GUILHERME NUNES TROFINO

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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** twenty 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