GUILHERME NUNES TROFINO

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EXPERIENCES

Embedded Hardware Designer Intern
Sysnav
📅 5 months: 04/2024 – 09/2024 · 📍 Vernon, France

In collaboration with an electronics engineer, I helped design 1 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
📅 6 months: 09-2023 – 03/2024 · 📍 Clichy, France

In collaboration with a Senior Vendor Manager, I helped provide 2 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, SQL and VBA.

Neuroscience Research Intern
ISIR, Sorbonne Université
📅 3 months: 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, Python and Webots

Head of Team
Phoenix Robotics Team of UNICAMP
📅 1 year: 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
📅 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
📅 2 years: 2022 – Ongoing · 📍 Palaiseau, France

Machine Learning, Image Analysis and Indexing, Deep Learning, Dynamics and Control of Systems, FPGA Xilinx, Kalman Filter, Software Engineering, Parallel Programming, Vision, Vivado HLS / SDK.

Control and Automation Engineering, BSc Engineering
FEM, UNICAMP
📅 5 years: 2019 – Ongoing · 📍 Campinas, Brazil

Highlight: Top 7% of class in double degree at 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;
- microelectronics;

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