

GUILHERME NUNES TROFINO

📧 guilherme-trofino 🌐 tr0fino0 ✉ gtrofinos@gmail.com

[EN VERSION]

EXPERIENCES

Quality Assurance Engineering Intern
Ansys, Synopsys

📅 6 months: 04/2025 – 10/2025 📍 La Farlède, France

In collaboration with the Ansys' Optics QA team, I helped improve the validation processes by **converting from manual to automatic** unitary tests using gRPC, IronPython, and Python, saving as much as 20 hours of workload per software release. I also conducted the research and development of an improved **multivariable image comparison** Python function, enabling end-to-end test automation.

Highlight: gRPC, Image Comparison and Python.

Embedded Hardware Designer Intern
Sysnav

📅 5 months: 04/2024 – 09/2024 📍 Vernon, France

In collaboration with an electronics engineer, I helped design one testing tool for the Syde product, enabling the creation of usage scenarios through a **Python library** that communicated via UART with an STM32H7 microcontroller programmed in C. Which allowed reliable and automatic scenario simulation, scaled the **quality control** process, and reduced reporting effort.

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 two tools to optimize business performance and drive sales growth: an Excel macro to **identify licensed selection twenty times faster**, allowing deep dives in large datasets, uncovering trends, and taking action; and 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.

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

Computer Engineering Degree, MSc in Robotics
ENSTA Paris, Institut Polytechnique de Paris

📅 3 years: 2022 – 2025 📍 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.

Highlight: Extra research and innovation courses at the École Polytechnique during the final year.

Control and Automation Engineering, BSc Engineering
FEM, UNICAMP

📅 6 years: 2019 – ongoing 📍 Campinas, Brazil

Highlight: Top 7% of class in double degree at ENSTA Paris.



I'm a 24 years old **Brazilian** with Portuguese citizenship with a BSc engineering degree in control and automation from UNICAMP and MSc engineering degree in robotics from ENSTA Paris.

I'm seeking a **full-time position** in software development ideally with hardware involvement, available to start from August 2026 and willing to move worldwide.

LANGUAGES

Portuguese : Native	
French : Fluent	C2 (CEFR)
English : Fluent	C2 (CEFR)
Spanish : Intermediate	B1 (CEFR)

SKILLS

Coding:		
Assembly	Bash	C/C++
CI/CD	IronPython	LaTeX
Python	VBA	VHDL
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