



Thiago Ricardo

[Gmail](#) | [Linkedin](#)

EDUCATION

Universidade Federal de Minas Gerais - UFMG
Electrical Engineering - emphasis in Computer Science

Belo Horizonte, MG - Brazil

From the beginning I have been dedicated to understanding the intersections between electrical and computing technologies and applying my knowledge to practical projects. My Final Project was a GUI for a P300 Speller, advancing the research of communication solutions for ALS patients in UFMG Eng. Biomedical Lab.

Universidade Federal de Pernambuco
Technological Residence in Automotive Software Development

Remote - Brasil

Developing skills in embedded systems for automotive solutions. This technological residence has opened my mind about the future of Cybersecurity in the Automotive sector, where cars will be connected with the world and have access to people's data. My main goal is to ensure data security for the users of those machines.

Politecnico di Torino
Laurea Magistrale Cybersecurity Engineering

Torino, TO - Italy
2025 - 2027

EXCHANGE PROGRAM

Technical University of Ostrava - VŠB
Computer Science

Czech Republic
2023

Experienced academic and personal growth through an exchange program at the Technical University of Ostrava. This opportunity has allowed me to broaden my knowledge and gain hands-on experience in a variety of Computer Science topics, such as Cybersecurity, Computer Networks and Software Development.

YMCA - Summer Camp Whittle
Camp Counselor Program

California - United States
May 2024 - Sep 2024 / May 2025 - Sep 2025

I worked as a camp counselor at the YMCA, where I had the opportunity to guide and support children in developing their social skills. I was responsible for leading various group activities, promoting collaboration, empathy, and teamwork, with a strong focus on personal growth and creating an inclusive and fun environment.

WORK EXPERIENCE

Systems Engineer Intern
SYSTRA Brasil

Belo Horizonte - Brazil
2023 - 2024

Activities performed: Facilitated the organization of the documentary database for the Guadalajara VLT line project. Actively manipulated, analyzed, and advanced project metrics visualization using advanced BI techniques. Provided innovative solutions to enhance team effectiveness.

Results: Increased team efficiency by improving problem source visualization and offering actionable solutions. Accelerated the Design Stage progress by 50%, completing it ahead of schedule.

Skills: Python, VBA, Data Management, Project Management, Data Analysis, Power Automate, Sharepoint.

Junior Software Development
IT4Innovations National Supercomputing Center

Czech Republic
2023

Activities performed: I developed and maintained a graphical user interface (GUI) that helps visualize data stored on Karolina and Barbora Supercomputers using the Python programming language.

Results: Improvement in the efficiency of the graphical tool, as well as an improvement in the experience and user interface (UX/UI), confirmed by more than 95% of the company's employees who used the software.

Skills: Pandas, Ubuntu, Linux, Databases, Data Analysis, Python, UX/UI, Problem Solving, SQL.

Photovoltaic Projects intern

Ciber Solar

Pará de Minas - Brazil

2021 - 2022

Activities performed: For nearly two years, I created three-dimensional layouts, electrical diagrams, Bill of Materials (BOM), and assisted in the preparation of electrical projects for photovoltaic power plants.

Results: Over 200 photovoltaic power plant projects completed with an approval rate of over 95%. Activities performed: For nearly two years, I created three-dimensional layouts, electrical diagrams, Bill of Materials (BOM), and assisted in the preparation of electrical projects for photovoltaic power plants. Results: Over 200 photovoltaic power plant projects completed with an approval rate of over 95%.

Skills: Project Management, Excel, Problem Solving, AutoCAD, Communication, Microsoft Office, SketchUp

SKILLS & INTERESTS

Interests: Cybersecurity Engineering, Software Development, Embedded Systems, Artificial Intelligence, GUI.

Hard Skills: Python(Pandas, Tkinter, Matplotlib, BeautifulSoup), C(POSIX, RTOS), C++, Linux, Git, Docker.

Soft Skills: Commitment, Quick Learning, Problem Solving, Adaptability, Effective Communication, Respect.

LANGUAGES

Portuguese - Fluent / Native

English - Advanced Proficiency. (IELTS - 7.0)

Spanish - Intermediate

Italian - Intermediate