

TIAGO MATEUS

COMPUTER SCIENCE AND ENGINEERING

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SUMMARY

A Software Engineering student with a solid foundation in problem-solving and programming. I have gained valuable experience through university projects and a research grant owner, various training programs and self-learning. Additionally, I have developed skills such as communication, teamwork, adaptability, and more through volunteering.

TECHNICAL SKILLS

- C/C++
- Python
- Java
- Assembly (RISC-V)
- JavaScript/TypeScript

SOFT SKILLS

- Leadership
- Communication
- Problem-Solving
- Teamwork
- Fast Learning
- Resource Management

EDUCATION

Instituto Superior Tecnico

September 2023 - Present

Bachelor of Computer Science and Engineering, Alameda Campus.

- Developed many projects and languages such as Python, Java, C/C++ and Assembly.
- Worked with frameworks for building websites, distributed systems, network protocols and more.

High-School

2020-2023

Humanistic-Scientific Course in S. João Estoril.

EXPERIENCE

Research Grant Owner - Direção Serviços Informáticos

July 2025 - Present

Location: Instituto Superior Técnico

As a key contributor within Computer and Network Services, I conducted in-depth analysis, problem-solving, and development work to enhance service delivery for the Técnico community, including staff and students, such as:

- Led initiatives to optimize and modernize internal university services, improving operational efficiency and user support processes;
- Contributed to the workflow and setup of an international coding event;
- Designed and implemented automation solutions to streamline system provisioning, configuration, and management workflows;
- Contributed to the improvement of large-scale infrastructure and centralized systems, enhancing reliability, scalability, and performance (Active Directory, SCCM, MDT and other);
- Deployed and tested new infrastructure, such as servers, for future operations and capabilities for the Técnico community;
- Evaluated and introduced tools to improve inventory management and remote support capabilities;
- Supported critical operations and large-scale institutional activities, ensuring service continuity and high availability;
- Collaborated across teams to drive continuous improvement of internal platforms and service delivery;
- Developed tools to evaluate internal services, conducting root cause analysis and delivering optimized solutions.

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Site Department Coordinator - Núcleo de Engenharia Biológica

Location: Instituto Superior Técnico

September 2025 - Present

- Designed and developed a full-stack web platform under CGI constraints, using Next.js, JavaScript, HTML, CSS, and PHP;
- Implemented dynamic frontend components and backend services, enabling content management and data-driven features through an Admin portal;
- Built internal tooling for event management, user/member administration, content updates, journal management, book management and data handling, through a backend system (PHP) with University Fénix integrated login;
- Created an Erasmus portal with data submission and retrieval workflows for user-generated content
- Integrated frontend and backend systems, ensuring efficient data flow and consistency across services;
- Gathered technical requirements from multiple stakeholders and departments and translated them into a system design and implementation, accommodating each department request.

Web.Dev - AeroTéc

Location: Instituto Superior Técnico

February 2025 - January 2026

- Built and maintained full-stack web systems (Node.js, Vue.js), including REST APIs and admin platform features;
- Improved system reliability and performance by resolving production issues and optimizing infrastructure (Nginx, Linux, DNS);
- Led training and recruitment processes, delivering workshops and designing technical assessments
- Deployed and managed web applications, ensuring scalability and high availability across platforms.

ADDITIONAL INFORMATION

- **Languages:**
 - **Portuguese: Native**
 - **English: Fluent**
- **Outer Career Experience:**
 - Scout since 2013-2025:
 - Participated in multiple volunteering initiatives, including community charity events, restoration of public spaces, and the plantation of a lot of trees to aid reforestation efforts after wildfires.
 - (2023-2025) Current Treasurer Assistant of scouts group, managing resources, budgets and financial records.
 - Founder of Holiday Camp “Nascente” 2024:
 - Founder and Chief at Holiday Camp “Nascente” in Alcabideche Parish.