

Tomás Taborda

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Education

IST - Instituto Superior Técnico

Finished in July 2024

Bachelor's Degree in Telecommunications and Informatics Engineering

Lisbon, Oeiras

- **Relevant Coursework:** Data Structures and Algorithms, Foundations of Programming, Object-Oriented Programming, Databases, Operating Systems, Network and Computer Security, Distributed Systems, Introduction to Computer Networks, Network Architecture and Software Engineering.

IST - Instituto Superior Técnico

Expected October 2026

Master's Degree in Computer Science and Engineering

Lisbon, Oeiras

- **Relevant Coursework:** Successfully completed with an excellent grade of 16/20, specializing in Software Engineering and Cybersecurity; **Master's Thesis:** A Process Framework for Human-AI Collaboration in the Software Development Lifecycle and how to integrate Spec-Anchored Driven Development with AI in every phase of the SDLC.

Experience

Caixa Mágica Software

July – September 2026

Software Engineer Intern

Lisboa

- Engineered "Gescol," an internal HR platform module for managing employee vacations and absences, bridging a Node.js, Express, and PostgreSQL backend with a Next.js 15 App Router frontend.
- Developed a responsive, internationalized UI utilizing Material UI v6 and Tailwind CSS, while optimizing data fetching and state synchronization with React Query.

Técnico+ Formação Avançada

May – June 2026

Teaching Assistant in AI Agents Bootcamp

Lisboa

- Served as Teaching Assistant for an AI Agents Bootcamp created by Professor Cristina Fraga at IST's advanced formation department, Técnico+ Formação Avançada. Set up and configured the bootcamp's initial notebooks using Google Colab Enterprise within Google Cloud.
- Built and orchestrated AI agents using Langchain, Microsoft Azure and Microsoft Foundry, and taught executives how to design and coordinate them.

Wondercom

Aug 2024 – Feb 2025

Technical Support

Lisboa, Sintra

- Provided remote technical support over a 6-month period, handling inbound and outbound calls to diagnose and resolve issues with Vodafone's fixed services, including Internet, TV, and Landline.
- Guided customers through troubleshooting steps to restore connectivity and service quality, escalating complex faults when needed to ensure timely resolution and managed a high volume of customer interactions while maintaining clear communication and service standards in a fast-paced support environment.

Projects

Apex - apex-bolt.com | Python, FastAPI, Pydantic v2, LangChain, Next.js, TypeScript, React Query, Zustand, Tailwind CSS

- Built a Spec-Anchored AI framework to guide teams across the SDLC, integrating leading LLMs to persist human-readable spec artifacts. Engineered a 6-phase gated pipeline that includes requirements through to maintenance, featuring AI-assisted generation, mandatory human sign-off, and live Github Repository and Figma Design synchronization. Developed a full-stack web app with Taiga/Jira integrations that applies this framework with a governance analytics dashboard and more, deployed via a GitHub Actions CI/CD pipeline.

Technical Skills

Languages: Python, Java, C, Assembly, JavaScript, TypeScript, SQL, PLpgSQL, R, Bash

Frameworks & Tools: React, Next.js, FastAPI, Spring Boot, Vue.js, LangChain, Docker, Git, Linux, Figma, Tailwind CSS, Redis

Cloud & DevOps: GitHub Actions (CI/CD), Kubernetes, Ansible, Microsoft Azure, Google Cloud, Microsoft Foundry, Azure Container Apps, Azure File Share