

he/him | Vila Nova de Gaia, Porto, Portugal | me@rgo.pt | <url.rgo.pt/github> | <url.rgo.pt/linkedin> | <rgo.pt>

EDUCATION

Faculty of Engineering, University of Porto (FEUP) Sep 2024–Present
BSc in Informatics and Computing Engineering
Porto, Portugal

- Relevant coursework: Algorithms & Data Structures, Operating Systems, Databases

Colégio de Gaia Sep 2021–Jul 2024
Technical High School Track in IT and Multimedia Technologies
Vila Nova de Gaia, Portugal

- Final grade: 19.9/20, top of class
- Self-taught programming during high school

EXPERIENCE

Academic Tutor Oct 2025–Present
Consultório FEUP, Faculty of Engineering, University of Porto
Porto, Portugal

- Tutor first- and second-year FEUP engineering students in mathematics, physics, and programming
- Conduct weekly office hours to help students with problem-solving and coursework

AI Department Lead Sep 2025–Present
ACM FEUP Student Chapter
Porto, Portugal

- Lead a 10+ member team building AI projects and technical workshops
- Manage the department's technical infrastructure and roadmap

Solo Founder & Software Engineer Feb 2025–Feb 2026
Uni's Easy
Remote

- Solo-built an AI-powered study platform from product design to production infrastructure
- Implemented course workspaces, materials, notes/drawings, AI chat, RAG-assisted workflows, exercise solutions, Stripe billing, usage metering, and feature limits
- Grew @studywithrocco organically on TikTok to 1,000 followers and 500,000 views through study-tip content

Freelance Software & Infrastructure Engineer Mar 2024–Present
Dias Solutions
Remote

- Build, deploy, and maintain client web applications and infrastructure, including Linux servers, CI/CD pipelines, backups, and disaster-recovery flows
- Deliver custom products with SvelteKit, PHP, Docker, and Cloudflare, handling both application development and production operations

Full-stack Software Engineer Aug 2023–Aug 2025
NECHO TECHLAW (Cybersecure.pt)
Remote

- Built core features for Cybersecure.pt, a cybersecurity SaaS for Portuguese SMEs: real-time dashboards, assessment workflows, PDF reports, email delivery, RBAC, MFA/WebAuthn, and multi-tenant access control
- Iterated on a modern Next.js, TypeScript, DrizzleORM, MariaDB, Express.js, Socket.io, Stripe, and AWS S3 stack

PROJECTS

OpenPost (<op.rgo.pt>) Mar 2025–Present

- Built a Typefully/Buffer-style scheduler that runs as a single Go binary with an embedded SvelteKit frontend and SQLite persistence
- Implemented post scheduling and publishing flows for X, Mastodon, Bluesky, Threads, and LinkedIn
- Added account settings, media-library workflows, a SQLite-backed job queue, and multi-tenant RBAC
- Used coding agents end-to-end to explore AI-assisted development on an unfamiliar Go codebase

Trabalho por Turnos (<url.rgo.pt/turnos>) Mar 2025–Present

- Published an offline-first Android app for Portuguese shift workers, reaching 100+ downloads from nurses in Portugal
- Implemented shift scheduling, overtime/night-shift pay logic, municipal holidays, and monthly reports

STEM Educational YouTube Channel (<url.rgo.pt/youtube>) Jan 2025–Present

- Produce Portuguese STEM and computer-science explainers for FEUP students, covering calculus, RISC-V assembly, formal languages, algorithms, and theory of computation
- Own the full publishing workflow: topic selection, scripting, examples, recording, editing, thumbnails, and distribution

Home Lab & Self-Hosted Infrastructure

Aug 2022–Present

- Manage a secure Synology NAS with tons of other interconnected selfhosted services
- Maintain a declarative infrastructure repo for NixOS and nix-darwin machines (personal and servers)

The Actual World (github.com/the-actual-world)

Aug 2022–Jul 2024

- Built a privacy-first social platform for my high-school capstone, centered on friend-only sharing and QR-based connections
- Shipped an Expo/React Native mobile app with private posts, maps, rewind summaries, real-time chat, Stripe-powered credits, and push-notification flows
- Built a separate PHP/MySQL landing site and backoffice with multilingual pages, waitlist/contact flows, and usage dashboards

HONORS & AWARDS

- **In this 46-hour hackathon, we built Ark, an offline-first mobile survival app with maps, guides, wiki archives, weather caching, news, secure notes, and file management**
- **Top of class, IT and Multimedia Technologies, Colégio de Gaia – final grade: 19.9/20**
- **1st place out of 360 teams, TECLA 2024 – Aveiro Multilanguage Computing Student Tournament**
- **2nd place, TECLA 2023 – Aveiro Multilanguage Computing Student Tournament**
- **Harvard CS50 AI (Sep 2025); AI Governance Certification (Jan 2025); Google Cybersecurity Certificate (Jun 2024); ISO/IEC 27001:2022 Information Security (Mar 2024); EF SET (Standard English Test): C2 Proficient, 78/100; The Missing Semester of Your CS Education (Aug 2023); Harvard CS50x (Apr 2021)**

SKILLS

- **Languages:** TypeScript, JavaScript, Python, SQL, C/C++, Java, PHP, Go, Bash
- **Frameworks & Tools:** SvelteKit, Next.js, React, React Native, Astro, Tailwind CSS
- **Infrastructure:** Linux, NixOS, Docker/Podman, Cloudflare, PostgreSQL, SQLite, CI/CD