

DIOGO GOMES DE ARAÚJO

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EDUCATION

Master's	Sep 2025 – Present
Computer Science	Universidade do Porto (FCUP)
Bachelor's	Sep 2022 – Jul 2025
Computer Science and Engineering	Universidade da Beira Interior

WORK EXPERIENCE

INESC TEC	Jan 2026 – Present
Researcher	Hybrid
STAR Junior Enterprise	May 2024 – Aug 2025
Project Manager and Backend Developer	Remote
<ul style="list-style-type: none">Developed and maintained backend API's for mobile and web applications.Assisted in recruiting by screening candidates and leading interviews.Coordinated teams and collaborated with clients to ensure project requirements were met.	
DeGema	Jun 2023 – Sep 2023
Waiter	On-site
<ul style="list-style-type: none">Served 20+ tables during peak hours without compromising order accuracy and customer satisfaction.Worked collectively with the team to guarantee service consistency.	

PROJECTS

Group Wallet for Nano | Rust, Tokio, Dioxus, Dalek

- Developed an **open-source library** with a custom implementation of FROST, enabling shared account creation and group transactions on Nano's blockchain.
- Leveraged modern cryptographic protocols to minimize communication rounds required for transaction signing on Nano's network.
- Created a **desktop application** that uses the custom library to allow groups to perform transactions remotely in an intuitive and secure graphical environment.

CERTIFICATIONS

2nd Place in IEEE RetroJam 2025	IEEE UP Student Branch	Oct 2025
<ul style="list-style-type: none">Built a game in 48 hours from scratch, using Rust and Raylib, learning how to reduce a problem to its core requirements.Wrote modular, organized code that ensured ease of integration within the shared repository, minimizing conflicts and boosting team productivity.		
Participation in Inforum 2025	Inforum	Sep 2025
<ul style="list-style-type: none">Presented my Bachelor's Degree final project to an audience of researchers, professionals, and students, receiving valuable feedback and constructive criticism on my work.		

Industrial Robotics Fundamentals	Universidade da Beira Interior	Jul 2025
Volunteering	Missão País	Feb 2024
Participation in RoboCup 2016	RoboCup Federation	Jun 2016
1st Place in the National Robotics Championship	Instituto Politécnico de Bragança	May 2016

TECHNICAL SKILLS

Programming Languages: Rust, OCaml, C, Java, SQL, Python

Frameworks & Tools: Git, Linux, Docker, Postman, Tokio, POSIX, gRPC, OpenMP, Dalek, Raylib