

DIOGO GOMES DE ARAÚJO

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EDUCATION

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

WORK EXPERIENCE

INESC TEC <i>Researcher</i>	Jan 2026 – Apr 2026 <i>Hybrid</i>
<ul style="list-style-type: none">• Developed and maintained IoT gateway microservices for Distributed Energy Resources communication.• Deployed a Zero Trust framework (Teleport) for secure remote access to all IoT devices in the Power and Energy Systems laboratory.	
STAR Junior Enterprise <i>Project Manager and Backend Developer</i>	May 2024 – Aug 2025 <i>Remote</i>
<ul style="list-style-type: none">• Developed and maintained backend API's for mobile and web applications.• Assisted in recruiting by screening candidates, directed teams and worked with clients to deliver projects on time and according to the requirements.	

PROJECTS

Group Wallet for Nano Rust, Tokio, Dioxus, Dalek
<ul style="list-style-type: none">• 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.	
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, Haskell, SQL
Frameworks & Tools: Git, Linux, Tokio, POSIX, OpenMP, gRPC, QUIC, Dalek, Raylib, PostgreSQL