

# DIOGO GOMES DE ARAÚJO

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## EDUCATION

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

## WORK EXPERIENCE

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

## PROJECTS

<b>Group Wallet for Nano</b>   Rust, Tokio, Dioxus, Dalek
<ul style="list-style-type: none"><li>• Developed an <b>open-source library</b> with a custom implementation of FROST, <b>enabling shared account creation</b> and <b>group transactions</b> on Nano's blockchain.</li><li>• Leveraged modern cryptographic protocols to <b>minimize communication rounds</b> required for <b>transaction signing</b> on Nano's network.</li><li>• Created a <b>desktop application</b> that uses the custom library to allow groups to perform transactions remotely in an <b>intuitive and secure graphical environment</b>.</li></ul>

## CERTIFICATIONS

<b>2nd Place in IEEE RetroJam 2025</b>   IEEE UP Student Branch	<b>Oct 2025</b>
<ul style="list-style-type: none"><li>• Built a game in 48 hours from scratch, using Rust and Raylib, learning how to <b>reduce a problem to its core requirements</b>.</li><li>• Wrote modular, organized code that ensured <b>ease of integration within the shared repository</b>, minimizing conflicts and boosting team productivity.</li></ul>	
<b>Participation in Inforum 2025</b>   Inforum	<b>Sep 2025</b>
<ul style="list-style-type: none"><li>• Presented my Bachelor's Degree final project to an <b>audience of researchers, professionals, and students</b>, receiving valuable feedback and constructive criticism on my work.</li></ul>	
<b>Industrial Robotics Fundamentals</b>   Universidade da Beira Interior	<b>Jul 2025</b>
<b>Volunteering</b>   Missão País	<b>Feb 2024</b>
<b>Participation in RoboCup 2016</b>   RoboCup Federation	<b>Jun 2016</b>
<b>1st Place in the National Robotics Championship</b>   Instituto Politécnico de Bragança	<b>May 2016</b>

## TECHNICAL SKILLS

**Programming Languages:** Rust, OCaml, C, Java, SQL, Python  
**Frameworks & Tools:** Git, Linux, Docker, Postman, Tokio, POSIX, gRPC, OpenMP, Dalek, Raylib