João Pinto
Junior Software Engineer

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About Me

Software Engineering graduate from ISEP with practical, team-based development experience across the full software lifecycle, focused on backend engineering.

Education

Instituto Superior de Engenharia do Porto **Porto, Portugal**
Bachelor's in Informatics Engineering *Sept 2022 - Jul 2025*

Professional Experience

GECAD **Porto, Portugal**
Researcher - Intern Feb 2025 - Jun 2025

- Integrated a Host-based Intrusion Detection System (**HIDS**) across **Windows** hosts to monitor process traffic behavior within the local network.
- Developed an intelligent module based on **machine learning** concepts to analyze and classify **SystemCalls** from host systems.
- Implemented **SystemCall extraction** in critical Windows processes to enhance communication with the central server.

Results: Achieved **93% accuracy** in detecting malicious system calls on Windows systems without compromising device functionality.

Projects

HairDrop **Sofia, Bulgaria**
Team Leader Sept 2024

- Implemented a secure full-stack application using **Rust** and **React**.
- Integrated secure coding principles, including **SQL injection** prevention, **memory management**, and **API protection**.

Activities

Technical University of Sofia **Sofia, Bulgaria**
Erasmus+ Student Sept 2024 – Jan 2025

- Gained valuable international academic exposure through a one-semester university program conducted entirely in English.
- Developed adaptability and autonomy by living and studying in a new cultural environment.

Certifications

Fortinet Certified Fundamentals Cybersecurity **Online**
Fortinet Student Setembro 2024 – Janeiro 2025

Skills

Java | C | SQL | React | MongoDB | Rust | Git | Python

Languages

Portuguese
English
Spanish