






FRANCISCO PEREIRA

Degree in
Informatics Engineering



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OBJECTIVE

My name is Francisco André Rodrigues Pereira, I'm 21 years old, from Mirandela, and I graduated from the Polytechnic Institute of Bragança with a degree in Informatics Engineering.

During the third year of the course and after completing it, I was awarded two research grants by the Centre for Research in Digitalisation and Intelligent Robotics (CeDRI).

I'm currently developing some personal projects related to areas I'm interested in, in order to develop a portfolio in the future.

Proactive and dedicated, ready to achieve great things.

EXPERIENCE

- Jul 2023-Sep 2023 **Research Fellowship at CeDRI** **CeDRI, Instituto Politécnico de Bragança**
Contributed to an OpenZDM project related to the development of a C# and OpenGL-based tool in Unity 3D, that aims to reduce defects in production chains in a car factory in the assembly and *body shop* zones.
- Jul 2022-Jan 2023 **Research Fellowship at CeDRI** **CeDRI, Instituto Politécnico de Bragança**
Worked on developing Augmented Reality (AR) and Virtual Reality (VR) apps in Unity, using different frameworks and tools, such as MRTK, ARCore, Vuforia SDK and ARFoundation.
- Oct 2021-Feb 2022 **Scientific Initiation Internship** **CeDRI, Instituto Politécnico de Bragança**
Written a scientific paper "Cybersecurity Threat Modeling and Enhancement of Intrusion Detection System in Cyber-physical Conveyor System".

EDUCATION

- Oct 2019-Jul 2023 **Degree in Informatics Engineering** **Instituto Politécnico de Bragança**
Computer Science, Computer Engineering, Mathematics, Information Systems.
Worked on many projects related to Web Development, Computer Architecture, Networking, 3D Modeling, Machine Learning, Data Structures, SQL and IoT.
- 2016-2019 **High School Diploma** **Agrupamento de Escolas de Mirandela**
Science and technology

LANGUAGES

Portuguese - native
English - proficient

HARD SKILLS

- Unity 3D
- C#, Python, Java, TypeScript, JavaScript, Rust, etc
- Git
- Linux
- SQL
- Cloud

SOFT SKILLS

- Self-taught
- Attention to detail
- Technical Writing
- Teamwork