

Eduardo Guerra

Software Engineer

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📍 Coimbra, Portugal

WORK EXPERIENCE

Full-Stack Software Engineer

Institute for Systems and Robotics (ISR)

📅 October 2022 - present

- Deployment of Python backend servers (using Flask and FastAPI).
- Prototyping mobile and web apps using HTML, Javascript, React.JS, and Flutter.
- Develop and train models for multi-label classification tasks utilizing Python and computer vision and deep learning techniques, such as OpenCV, TensorFlow, PyTorch, and MLflow.
- Deployed products on AWS cloud computing.

Back-end Software Developer

Critical Software

📅 September 2019 - October 2020

- Java programming to develop new features on the back-end to implement new business rules.
- PL/SQL programming for the development of database software.
- Use of Docker containerization software to migrate a legacy ticketing software system to a cloud environment.

EDUCATION

Master's in Data Science and Engineering

University of Coimbra

📅 2019 - 2021

Dissertation: “JetNavigator - COMPUTER VISION AND DEEP LEARNING TECHNIQUES TO IMPROVE INDOOR NAVIGATION”

Development of an image-based indoor navigation system using Deep Learning techniques using the Tensorflow Framework. I worked with several tools to build the whole machine learning pipeline, from data gathering and preprocessing to the model training and fine-tuning to deploy it finally on a mobile application.

Bachelor of Informatics Engineering

University of Coimbra

📅 2016 - 2019

KEY SKILLS

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|----------|------------|-----------|--------------|
| ❖ Python | ❖ Linux | ❖ Java | ❖ PySpark |
| ❖ SQL | ❖ Hadoop | ❖ Docker | ❖ Git |
| ❖ C++ | ❖ React.JS | ❖ Flutter | ❖ Javascript |

HOBBIES AND INTERESTS

Volunteer Firefighter

📅 2018 - 2022

- Responded to emergency calls, executing fire suppression and rescue operations to protect lives and property.
- Collaborated closely with team members in high-pressure situations, demonstrating effective communication and teamwork.