

# Antero Morgado

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[GitHub](#) | [Linkedin](#)

## Summary

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I am a Computer Science Engineering student at the Faculty of Engineering of the University of Porto and an active member of the Association for Computing Machinery (ACM) Student Chapter, already been in a summer internship in Artificial Intelligence and I am always determined to learn more.

Currently searching for a challenging curricular internship position in a dynamic and innovative organization where I can use my technical and analytical skills in Software Engineering focused at low-level development or Artificial Intelligence models and then start there a full-time job. I am also eager to expand my knowledge in Cybersecurity and SAP software.

## Education and Experience

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### Faculdade de Engenharia da Universidade do Porto

2022 - Ongoing

BSc Degree - Informatic and Computer Science Engineering

Human Resources Head at ACM FEUP

### INESC TEC

July 2024

Summer Internship in the Artificial Intelligence research center of INESC TEC

**Award:** Best Summer Internship in Artificial Intelligence

## Skills & Abilities

- Experience in Imperative and Functional Programming Languages (C, C++, Python and pandas, Java, SQLite, PHP, Haskell) and Markup Languages (HTML, CSS, Markdown, LATEX) and git.
- Good communication skills and teamwork.
- Critical thinking.
- Fast learner.

## Academic Projects

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### FEUP-reUse APP | [repo](#)

FEUP-reUSE is a mobile app for FEUP students to trade items like books, clothes, and appliances. With an Instagram-like interface, it runs on donations, no money involved. Developed with Flutter, Firebase, and SCRUM.

### EcoExchange Website | [repo](#)

An Online Shop website made with SQLite, PHP, CSS and Javascript, fully responsible to different screen sizes. Secured against SQL injections, XSS and CSRF.

## Association for Computing and Machinery FEUP

2024 - Ongoing

Being part of the ACM Student Chapter at the University of Porto has been a rewarding journey, particularly as the Head of the Human Resources team. Conducting interviews for the recruitment of new members to our student chapter, understanding the wills and dreams of my colleagues and their interpersonal relations has allowed me to refine my interpersonal and conflict resolution skills, gain valuable insights into the selection process, foster a sense of teamwork and team leading.

[Website](#)

During this internship, I worked with technologies such as Queras, TensorFlow, and RoboFlow. I trained and utilized YOLO models (v4 and v8) for image processing, developed enhancement algorithms, and implemented AI models for super-resolution while augmenting and annotating datasets. As part of a team of six interns, we developed algorithms for a mobile application designed to assist visually impaired users in their daily lives. This project was part of the Watson Project, an initiative funded by the European Union. My colleague and I achieved significant results by optimizing the provided code, fine-tuning image enhancement algorithms using image metrics, and applying super-resolution techniques.

Ultimately, we were awarded Best Summer Internship in Artificial Intelligence.

### Workshops and related Events

Flutter, Workshop Powered by NIAEFEUP - 2024

*Encontro Nacional de Estudantes de Informática* - September 2023:

(University of Aveiro, Aveiro)

- *Análise e exploração de vulnerabilidades*, Workshop Powered by MC SONAE
- *Experimentação Tecnológica da IA à automação*, Workshop Powered by MC SONAE
- How to make a pitch, Workshop Powered by Accenture
- My first application using OutSystems, Workshop Powered by OutSystems

Cibersecurity, Workshop Powered by Accenture - 2023

C++, Workshop Powered by NIAEFEUP – 2023

### Languages

- Portuguese (Matern)
- English B2 Cambridge Exam (First Certificate in English)
- Spanish (Intermediate)