

# MARIA RABELO

INFORMATICS AND COMPUTING ENGINEERING

## ABOUT

I am proactive, dedicated and responsible with the roles assigned to me. I have good interpersonal skills, and I like dynamic activities that challenge me to get out of my comfort zone.

## EXPERIENCE

RESEARCH INTERN - LLM-BASED AUTOGRADING | DEI, FEUP | 2025 - Present  
Developing a Django-based autograding system that uses LLMs to evaluate open-ended student responses against configurable rubrics, using Celery and Redis for asynchronous LLM processing.

TEACHING ASSISTANT IN COMPILERS COURSE | FEUP | 2025

Support students during lab classes in compiler construction in Java, from Java-- into intermediate and assembly representations.

AI TRAINER | OUTLIER AI | 2025

Fine-tuning AI models by elaborating prompts, evaluating responses, and writing ideal completions, focused on C++ content.

RAPTOR ALGORITHM | OPT CAPSTONE INTERNSHIP | 2024

Multimodal transport journey planning solution in C++, using Porto's Metro and STCP networks.

TAIWAN EXCHANGE STUDENT | ROTARY INTERNATIONAL | 2017 - 2018

Mandarin studies, expansion of cultural horizons and social connections.

## PROJECTS

CHATBOT | DELOITTE'S GENERATIVE AI COURSE | 2025

Personalized recipes to students, using RAG architecture in Python.

TRAVELING SALESPERSON PROBLEM | C++ | 2024

Ant Colony Optimization, approximations and heuristics implementations.

DYNAMIC TYPING TUTOR GAME | C | 2024

Programmed peripherals: mouse, graphics card, keyboard, timer.

HEALTHTAG APP | FINALIST TECSTORM HACKATON | 2024

Prototype for better emergency medical services through remote pre-triage.

## VOLUNTEERING & MEMBERSHIP

FEUP BUDDIES | 2023 - Present

Guide and welcome international students, assisting during adaptation.

MEMBER | IEEE | 2024 - Present

Participant of Institute of Electrical and Electronics Engineers, in 'Computer Society' chapter.

VICE PRESIDENT AND TREASURER INTERACT ROTARY CLUB | 2016 - 2017

Humanitarian efforts to spread positive relations and high moral principles.

## CONTACT

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<https://github.com/mariaarabelo>

<https://www.linkedin.com/in/maria-rabelo>

## LANGUAGES

Portuguese	-	Native
English	-	Fluent (C1 IELTS 8.0)
Mandarin	-	Intermediate (HSK3)
German	-	Basic

## EDUCATION

UNIVERSITY OF PORTO | 2025 - 2027

Masters in Artificial Intelligence.

UNIVERSITY OF PORTO | 2022 - 2025

Informatics and Computing Engineering.

CONFUCIUS INSTITUTE | 2024 - 2025

Mandarin classes.

WENZAO UNIVERSITY | 2017 - 2018

Mandarin classes in Taiwan.

## PROFESSIONAL SKILLS

Java	Java Script
C / C++	WebGL
Python	Laravel
Git	JASMIN
Django	Assembly
PHP	Haskell
SQL	VBA

## PERSONAL SKILLS

Reliable	Fast learner
Organized	Motivated
Dedicated	Creative
Team player	