Carolina Machado

About me

I am an ambitious and dedicated young woman, constantly seeking to enhance my skills and expand my knowledge through new experiences.

https://carolinapm-portfolio.vercel.app/

Contact

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Braga

ACADEMIC BACKGROUND

University of Minho

Master's Degree in Cybersecurity (2025 – Present)

University of Trás-os-Montes e Alto Douro

Bachelor's Degree in Computer Engineering 2022 - 2025

PROFESSIONAL EXPERIENCE

STAFF
UTAD Summit | 2025

Administrative
Transrendufense | 2023

Provided administrative support, managed records, and assisted with office tasks; organized and maintained documentation.

ACADEMIC PROJECTS

Artificial Intelligence
Developed an AI model for segmenting the optic nerve in retinal images to assist in glaucoma detection.

UniLib
UniLib - Online Library (C# | CSS | HTML | JavaScript | .NET | SQL)

Secure and Private P2P Auction System
Implemented a secure P2P auction system using hybrid architecture, cryptographic protocols, and privacy-preserving mechanisms.

CatDash 3D (2025)
3D multiplayer cat racing game with realistic physics

ToDo.It
Created a task management application to help users organize and prioritize their tasks.

BrainBridge
Cooperative and accessible memory game with support for visual, motor, and cognitive impairments.

SKILLS

C#
Python
C++
MatLab
Cryptography

LANGUAGES

English B2

VOLUNTEERING

Volunteer at the local Food Bank

Member of the Academic Department, Computer Engineering Student Group