DANIELA PADILHA

SOFTWARE DEVELOPER

📍 **Porto**   📞 **964406195**   ✉️ **E-mail**   in **LinkedIn**   🔘 **GitHub**

PROFILE

Software developer skilled in **C**, **C++** and **Python** with a **strong problem-solving** mindset shaped by a scientific background. Currently sharpening coding foundations at 42 while building personal projects in **web development**. Driven by a desire to create a **meaningful impact** in people's lives through technology. **Curious**, **motivated**, and **focused** on creating tools to solve **real-world problems**.

EXPERIENCE

Research Assistant   02/2024 - 12/2024

- Contributed to a **multidisciplinary** European research project, **collaborating** across teams and managing **complex data**.
- **Coordinated** and **supervised** groups of up to 30 participants during environmental field events.
- **Presented** research findings at an **international scientific congress**.

EDUCATION

42 Porto   Software Development   **09/2024 - present**

Immersive **project-based** coding school with a focus on **autonomy**, **collaboration**, **and real-world problem-solving**. Built projects in **C, C++ and Python** and expanded into frontend development with **HTML, CSS, and JavaScript**. Strengthened **adaptability, time management, and teamwork** through peer-to-peer learning.

University of Porto   MSc in Ecology and Environment   **10/2020 - 12/2022**

PROJECTS

Libft (C Library)

- Developed a **custom C library** of common functions, strengthening skills in **pointers, memory management, and modular programming.**

Minishell (Unix Shell in C)

- Built a **basic shell** supporting **command execution, pipes, redirections, and environment variables**, demonstrating **system programming** and **parsing logic**.

Weather Web App (HTML/CSS/JS + API)

- Created a simple **web app** consuming a **weather API** to display **real-time forecasts**, gaining experience with **asynchronous request**s and **frontend-backend integration**.

SKILLS

- **Programming Languages:** C, C++, HTML, CSS, Javascript, Python
- **Debugging:** GDB, Valgrind
- **Systems & Tools:** Linux, Makefile, Shell scripting
- **Version Control:** Git
- **Other Tools:** Power BI, QGIS, SQL

CERTIFICATIONS

Web Development - 42 Porto

Agile & Scrum, Git & GitHub - CFG

Business Intelligence - IEFP

Python Data Structures - Coursera