



Daniel José Silva Furtado

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ABOUT ME

I'm Daniel, I'm 21 and I'm from Barcelos. I'm currently a student at the University of Minho and I'm in the first year of my master's degree in Computer Engineering. I'm a good-natured, cheerful, responsible, communicative, organized person who likes challenges. I love sport, especially football, technology, video games and computer science.

EDUCATION AND TRAINING

2020 – 2023 Braga, Portugal

BACHELOR'S DEGREE IN COMPUTER ENGINEERING University of Minho

Approach to various topics that make up computer engineering. Carrying out various projects on the following subjects:

- Programming (Haskell, C, Java, C++, Python, SQL, MatLab)
- Algorithms
- Databases
- Artificial Intelligence
- Data Analysis
- Distributed Systems
- Project Analysis
- Networks
- Computer Graphics
- User Interface
- UML Diagrams

Website www.uminho.pt | **Final grade** 14,64 | **Level in EQF** EQF level 6

2023 – CURRENT Braga, Portugal

MASTER'S DEGREE IN COMPUTER ENGINEERING University of Minho

Specialization in computer engineering (1st semester). With emphasis on the areas of:

- Cloud Computing Applications and Services (GCP, Laravel)
- Parallel Computing
- Data and Machine Learning
- Network Services Engineering
- Formal Methods in Software Engineering
- Requirements and Software Architectures (React, Django)

Deepening of specific knowledge in the following profiles (2nd semester):

- Intelligent Systems (Agents and Multi-agent Systems, Deep Learning, Sensorization and Environment).
- Applications Engineering (Database Administration, Application Architectures, Reliable Interactive Systems).

During the first year of my master's degree I strengthened my knowledge of artificial intelligence (Intelligent Systems) by developing various projects on deep learning models on neural networks, data collection using sensors and intelligent message exchange between agents.

Regarding the development and creation of applications (Applications Engineering), I learned various software design patterns, obtained new concepts about metadata (Apache Spark), used various back-end and front-end tools: Spring, Hibernate, Vue.js, JSF (JavaServer Faces), Svelte. I've developed projects on optimizing databases and building a web application.

Website www.uminho.pt | Level in EQF EQF level 7

● CONFERENCES AND SEMINARS

18/11/2019 – 22/11/2019 Kresna, Bulgaria

Short Learning Mobilities - ERASMUS+ (Using Mobile Apps in Classes)

Mobility with the aim of:

- Exploring smartphone applications in the classroom;
- Create mobile applications;
- Develop digital skills;
- Develop linguistic and communicative skills in English;
- Getting to know other European cultures and realities;
- Develop tolerance, respect and intercultural understanding;
- Develop soft skills.

Link https://esbarcelinhos.pt/doc/divulgacao/doc_file/erasmus.pdf

● NETWORKS AND MEMBERSHIPS

01/07/2022 – CURRENT University of Minho

Collaborator of the Communication and Image Department of the University of Minho

I take part in various activities:

- University representative at Futuralia 2023
- University representative at Qualifica 2023, 2024
- University representative at UPA 2023, 2024
- University representative at Braga Economy Week 2024
- Summer on Campus Monitor 2022, 2023, 2024
- Promoting the university in secondary schools

20/05/2023 – CURRENT University of Minho

Collaborator of the ARQUS Department of the University of Minho

Created in 2019 with the aim of promoting collaboration and innovation in higher education, the European Arqus Alliance, of which UMinho has been a member since January 11, 2022, brings together the universities of Granada, Graz, Leipzig, Lyon 1, Maynooth, Minho, Padua, Vilnius and Wrocław.

I take part in various activities:

- Collaborator in Council Meet 2023, 2024
- Collaborator in the "Arqus for Ukraine" project

● PROJECTS

2024 – 2024

Mentorias UMinho 2024

Support program for the transition to the job market aimed at master's and doctoral students (mentees) with guidance from UMinho alumni professionals (mentors).

I was mentored by Mr. Bruno Silva, a former student at the University of Minho, who is currently an Administrator at the Trofa Saúde Group, and I learned a lot about the world of work, developed my transversal skills and became better prepared to enter the job market, as well as contributing to better access to new knowledge opportunities.

Link www.uminho.pt/PT/ensino/apoioaosestudantes/Mentorias-UMinho

Projeto Integração de Pares 2022/2023

DIGITAL SKILLS

SQL | Python | Git | Haskell | CSS | MySQL | Java | C | HTML | JavaScript | C++ | JSON | XML |
Windows | Linux | React | Vue.js | Svelte | Spring | Django | Laravel | Assembly

LANGUAGE SKILLS

Mother tongue(s): **PORTUGUESE**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user