Afonso de Valverde Bento

Date of birth: 16/02/2005 | **Place of birth:** Almada, Portugal | **Nationality:** Portuguese |

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ABOUT ME

Final-year Computer Engineering student with strong foundations in software development, algorithms and computer networks. Hands-on experience gained through academic projects, combined with a strong interest in applying technical knowledge in real-world contexts. Currently seeking an internship or entry-level opportunity to further develop skills and gain professional experience in a professional environment.

EDUCATION AND TRAINING

10/09/2020 – 20/06/2023 Almada, Portugal
UPPER SECONDARY EDUCATION Escola Secundária Cacilhas-Tejo

Field of study Science and Technology

10/09/2023 – CURRENT Almada, Portugal
BACHELOR'S DEGREE IN COMPUTER ENGINEERING NOVA School of Science and Technology (FCT NOVA)

Programming (object-oriented and functional); data structures and algorithms; database design and SQL; software engineering methodologies; operating systems; computer networks; web and application development; version control; analytical and problem-solving skills.

Level in EQF EQF level 6

SKILLS

Object-oriented programming | Software development | Data structures and algorithms | Databases (SQL) | Web development | Version control (Git) | Python | JavaScript | Java | SQL | HTML | CSS | C

PROJECTS

Artificial Intelligence – Simulated Annealing

Developed an artificial intelligence solution using the Simulated Annealing optimization algorithm. The project focused on problem optimization, algorithm design and performance analysis. Implemented in an academic context, applying heuristic search techniques and analytical problem-solving skills.

Link https://github.com/avbento67793/IA-Simulated_Annealing

Computer Networks Projects

Development of a client-server file transfer system as part of a Computer Networks course. Implemented a multi-threaded server capable of handling multiple simultaneous clients, allowing directory listing and file download requests. The system was developed in Python, applying socket programming, concurrency and network communication concepts.

Link https://github.com/avbento67793/RedesDeComputadores

Computer Graphics – 3D Hierarchical Modelling and Projections

Development of a 3D computer graphics project focusing on hierarchical modelling and projection techniques. Implemented scene graphs, transformations and shaders using JavaScript and WebGL. The project was developed in an academic context, emphasizing graphical rendering, modular design and interactive visualization.

Link https://github.com/avbento67793/CGI-Projeto2

LANGUAGE SKILLS

Mother tongue(s): **PORTUGUESE**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	B2	B2	B2	B2

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

HOBBIES AND INTERESTS

Sport – Football

Competitive football player with experience across multiple clubs and competitive levels, currently at Clube Desportivo Cova da Piedade. Developed strong adaptability, teamwork, discipline and resilience through progression in different teams and competitive environments.

Link https://www.zerozero.pt/jogador/afonso-bento/382602?search=1

Travel and cultural exploration

Strong interest in travelling and exploring new places and cultures, enhancing adaptability, open-mindedness and the ability to engage with diverse environments and perspectives.

DRIVING LICENCE

Driving Licence: B