José Miguel Guardado Silva

Nationality: Portuguese   **Date of birth:** 01/01/2002   📞 **Phone:** (+351) 962077366

✉ **Email:** jm.silva@ua.pt

📍 **Home:** AVENIDA DE ARAÚJO E SILVA,113 - 6ºB, 3810-049 AVEIRO (Portugal)

WORK EXPERIENCE

🏢 *Instituto Nacional de Estatística* – Portugal

Country: Portugal

Census Enumerator – CENSOS 2021

[04/2021 – 07/2021]

- Distributed essential census materials on foot across a designated local area
- Managed and monitored survey responses using a purpose-built mobile application
- Updated and maintained the census database with accurate household information
- Received consistent praise from supervisors for professionalism and efficiency
- Completed the assigned work **one month ahead of schedule**

🏢 *STREAK - Engenharia em Automação, Lda.*

Summer Intern

[07/2022 – 09/2022]

- Developed **VBA macros** for **Autodesk Inventor** to automate batch saving and export of project files, significantly streamlining design workflows
- Performed routine maintenance of **computer systems**, ensuring successful **Windows and software updates** for machines used in robotic and manufacturing environments

🏢 *Apside Portugal*

Summer Intern

[07/2023 – 09/2023]

- Creation and implementation of a full **IOT** project
- Developed a responsive web application using **React**
- Designed and managed a **SQL database** to store sensor data and user inputs
- Built backend server and controller logic using **.NET** and **Entity Framework**
- Collaborated in a 2-person Agile team, using **GitHub** for version control
- Integrated **ESP32 microcontroller** to collect data from the server
- Connected and programmed an **ePaper display** to present live data from the ESP32

🏢 *Apside Portugal*

Summer Intern

[07/2024 – 09/2024]

- Improved and optimized the existing **full-stack IoT** system
- Refactored frontend and backend code to enhance performance and maintainability
- Enhanced data handling and visualizations within the **React** application
- Improved **ESP32** firmware for better stability and communication reliability
- Added new features to the **ePaper** interface and refined the update logic
- Provided technical documentation and prepared the project for production or demonstration use

EDUCATION AND TRAINING

Licenciatura em Engenharia de Computadores e Informática
Universidade de Aveiro [09/2020 – Current]

Address: Campus Universitário de Santiago, 3810-193 Aveiro (Portugal) | **Website:** ua.pt

C1 English Level

International House Santa Clara [09/2010 – 08/2019]

Address: Rua António Augusto Gonçalves, 47, 3030-320 Coimbra (Portugal)

LANGUAGE SKILLS

Mother tongue(s): Portuguese

Other language(s):

English

LISTENING C1 **READING** C1 **WRITING** C1

SPOKEN PRODUCTION C1 **SPOKEN INTERACTION** C1

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

SKILLS

Digital Skills

C / C++ / Java / C# / JavaScript / ReactJS / CSS / HTML / SASS / SQL / GNS3 / Arduino / Python / .Net / Entity Framework / ESP32