Nuno Amaro Jerónimo

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ABOUT ME

I am a 25-year-old student pursuing a Master's degree in Engineering and Management of Information Systems. With a background in basketball, including playing for Sporting Clube de Braga and coaching the under-12 team, I have developed strong teamwork skills. I also have experience volunteering at the municipal library and contributing to my family's business. I have excellent communication skills, honed through project management and sports involvement. Additionally, I have acquired skills in programming, Arduino, IoT, and UML through my studies and internships. Motivated and driven, I aim to make a positive impact in professional environments.

EDUCATION

University of Minho, Braga Portugal **Expected: September 2024**

- Master in Engineering and Management of Information Systems
- Current grade (0-20): 13,11
- Waiting for the presentation date on my master's thesis about: Intelligent Algorithm for Profile Identification

University Erasmus+, University of Oulu, Finland **March 2022**

- Faculty of Information Technology and Electrical Engineering
- Current grade (0-5): 3,65

High School, Colégio João Paulo II **Jully 2017**

- Studies: Science and Technology
- Final grade for University admission (0-20): 16

WORK EXPERIENCE

Master Thesis - Intelligent Algorithm for Profile Identification **April 2022 - Present**

- Developed a comprehensive AI algorithm leveraging advanced computer vision techniques using OpenCV. Key components included implementing facial recognition with Haar cascades to detect and analyze faces in images.
- Enhanced model robustness through image augmentation techniques, improving the algorithm's ability to handle diverse real-world scenarios.
- Integrated Euclidean distance calculations to accurately measure image similarity, enabling effective facial matching.
- Developed a comprehensive AI algorithm leveraging advanced computer vision techniques using OpenCV. Key components included implementing facial recognition with Haar cascades to detect and analyze faces in images.
- Created a dynamic web application using Flask, supporting real-time video streaming, image handling, and user interaction, demonstrating practical AI applications in realworld environments.

Student of IOACADEMY - IOTECH **March 2019 - December 2021**

- Explored Arduino and Beacons at IOTECH, using triangulation for accurate device analysis in attendance tracking projects.
- Utilized Arduino IDE, Android Studio, and LEGO® MINDSTORMS® Education EV3 for IoT exploration at IOTECH

Summer Internship - IOTECH **March 2019 - May 2019**

- Gained expertise in IoT technology

Skills and Technologies

- Programming Languages: Python, JavaScript, Java, C++
- Front-End Development: React, JavaScript
- Back-End Development: Node.js, Express.js Flask
- Database Management: SQL, MongoDB
- Web Development: Flask, React, Node.js, Express.js
- Cloud Computing: Google Cloud Plataform
- Artificial Intelligence & Machine Learning: OpenCV, Haar Cascade, Euclidean Distance
- Internet of Things (IoT): Arduino, Beacon
- Data Integration & ETL: Talend
- Modeling & Design: UML

Soft Skills

- Leadership & Management: Project Management, Teamwork, Leadership, Business Acumen
- Communication: Communication
- Additional Experience: Coaching (Basketball), Volunteering (Braga Municipal Library)
- Family Business Contribution

Languages

- Portuguese: Native
- English: Level C1 (Advanced)

VOLUNTEER EXPERIENCE

Braga Municipal Library, Braga

- Cataloging and Organizing Books: Responsible for cataloging books, adding them to the library system, and organizing them into appropriate categories.

Fundição de Sinos de Braga Serafim da Silva Jerónimo e Filhos, lda

- Antique Watch Organization: Organized antique watches by photographing them, identifying the type, year, manufacturer, and assessing if any parts were missing. Compiled all information into an Excel spreadsheet for systematic tracking.