

# José de Matos Moreira

<https://www.linkedin.com/in/josemoreira15/>

Email : jose.moreira.um@gmail.com

Mobile : +351 913 379 535

## EDUCATION

- **University of Minho** Braga, Portugal  
*Bachelor's Degree in Software Engineering; Grade: 14* October 2020 – July 2023
- **University of Minho** Braga, Portugal  
*Master's Degree in Software Engineering* September 2023 – Present

## EXPERIENCE

- **AlmaScience** Almada, Portugal  
*Software Engineer / Flutter Developer* December 2024 – June 2025
  - **Front-End Development:** Developed a Flutter application based on provided UI designs.
  - **System Integration:** Integrated the application with an external API and MQTT services for real-time IoT data communication.
  - **Authentication:** Implemented user authentication and access control.
  - **Testing & Quality Assurance:** Performed automated and manual testing to ensure correct application behavior and reliability.

## PROJECTS

- **3D Engine & Solar System Simulation:** 3D engine with scene graph architecture supporting hierarchical transformations, animation with Catmull-Rom curves, lighting, textures, and VBO rendering. Demonstrated with an animated solar system scene.
- **Judicial Rulings Aggregation Platform:** Full-stack web platform to aggregate, manage, and search judicial rulings from the Portuguese Ministry of Justice, featuring data cleaning in Python, a MongoDB database, RESTful API with Express, and an interactive web interface.
- **Pug-to-HTML Converter:** Compiler to convert Pug markup into HTML, implementing both lexical analysis (Lexer) and syntax analysis (Parser) to generate a structured derivation tree from input code.
- **Portuguese Football Statistics Platform:** Flask-based web application to aggregate, visualize, and manage detailed statistics for the Liga Portugal BetClic 2023/2024, featuring web scraping, ontology-based data modeling in GraphDB, RESTful API, and an interactive administrative interface.
- **Portuguese Sentiment Analysis Tool:** Sentiment analysis module for Portuguese text using lexicon-based methods, producing polarity scores, word statistics, and sentiment components, with support for evaluation on custom corpora.

## PROGRAMMING SKILLS

- **Languages:** Python, Java, JavaScript, C, C++, C#, HTML, Haskell, Dart, SQL
- **Databases:** MySQL, MongoDB, GraphDB, MariaDB
- **Technologies:** React, Flutter, Node.js, Express, Flask, FastAPI

## LANGUAGES

- **Portuguese - Native, English - Fluent**