João Reis
Software Engineer

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Hi, I'm a recent master's graduate in computer science and engineering, excited to combine my academic knowledge with real-world experience. Beyond my studies, I've always wanted to challenge myself by staying active in different projects and professional areas. I see myself as energetic and relaxed, but also hard-working and diligent, always open to new opportunities.

Work Experience

Fullstack Developer
LBC
February 2025 to Present

Lisboa, Portugal

Research Fellow
Institute of Electronics and Informatics Engineering of Aveiro (IEETA)
November 2023 to October 2024

Aveiro, Portugal

- Methodologies to retrieve the best information from a data collection.
- Built a conversational system with a Large Language Model.
- **Technologies and areas explored**: Python (FastAPI), LLM, NLP, IR, and Data analysis.

Education

MSc in Computer Science
University of Aveiro
September 2022 to July 2024
Final grade: 16 out of 20

Aveiro, Portugal

Dissertation: A conversational query builder on medical databases
- Streamline the process of medical database discovery through a conversational search system
- **Technologies and areas explored**: LLM, NLP, BM25, Python (FastAPI), and React
- **Grade**: 19 out of 20

BSc in Computer Science
University of Aveiro
September 2019 to July 2022
Final grade: 15 out of 20

Aveiro, Portugal

Publications

Using Flowise to Streamline Biomedical Data Discovery and Analysis
João Reis, João Almeida, Tiago Almeida and José Oliveira
22nd IEEE Mediterranean Electrotechnical Conference (MELECON), 2024

Article

HealthDBFinder: a question-answering task for health database discovery
João Almeida, Jorge Silva, Luís Afonso, Tiago Almeida, Rui Antunes, Richard Jonker, João Reis, Dimitri Silva, Sérgio Matos, and José Oliveira
37th IEEE International Symposium on Computer-Based Medical Systems (CBMS), 2024

Article

A chatbot-like platform to enhance the discovery of OMOP CDM databases
João Reis, João Almeida, Tiago Almeida and José Oliveira
34th Medical Informatics Europe Conference (MIE), 2024

Article

BIT.UA at BioASQ 12: From Retrieval to Answer Generation
Tiago Almeida, Richard Jonker, João Reis, João Almeida and Sérgio Matos
15th Conference and Labs of the Evaluation Forum (CLEF), 2024

Article

Soft skills

- Communication
- Flexibility
- Organization
- Punctuality
- Creativity
- Team Work
- Adaptability
- Problem Solving

Technical skills

- Python
- Django
- FastAPI
- Flask
- Java
- Spring Boot
- JavaScript
- TypeScript
- Angular
- React
- HTML & CSS
- Docker
- SQL
- AWS
- Git
- LLM
- C
- C++
- C#

Languages

Portuguese Native
English Professional proficiency

Interests

- Chess
- Travel
- Making music
- Individual Sports
- Cinema
- Math
- Technology