

Catarina Oliveira PIRES

PERSONAL DATA

DATE OF BIRTH: 1 March 2001
EMAIL: catarina.o.pires@hotmail.com
PERSONAL WEBSITE: <https://catarinaopires.github.io/>

EXPERIENCE

CURRENT | *Research grant - at INESC TEC*
Multimodal Medical Search. Exploring LLMs to enhance medical case search.

2024 | *Research grant - 3 months at INESC TEC | Master Thesis*
"Evaluating Dense Model-based Approaches for Multimodal Ad hoc Search" - Dissertation on information systems, intelligent systems, and computer vision, focusing on applications in the medical field.

2022 | *Research grant - 8 months at INESC TEC*
Worked in the project *EPISA* (Entity and Property Inference for Semantic Archives), performing data migration between ontologies and evaluating the process, using SPARQL.

RELEVANT PROJECTS

GitHub | <https://github.com/catarinaopires>

COMPUTER SKILLS

Working experience with: PYTHON, JAVASCRIPT, JAVA, C++, C, SQL/SQLITE3/POSTGRESQL, SPARQL, REACTJS, REACT NATIVE

Other skills: NODEJS, LARAVEL, HASKELL, PROLOG

EDUCATION

2022-2024 | MSc. in Informatics and Computing Engineering,
Faculty of Engineering, University of Porto, Porto
AVERAGE: 18 / 20

2019-2022 | BSc. in Informatics and Computing Engineering,
Faculty of Engineering, University of Porto, Porto
AVERAGE: 17 / 20

2011-2016 | Basic Music Course,
Academia de Música da Sociedade Filarmónica Vizelense, Vizela

PUBLICATIONS

2024 | "Enhancing LLMs with Knowledge Graphs for Academic Literature Retrieval"
KDIR 2024. <https://doi.org/10.5220/0012990500003838>

2023 | "From ISAD(G) to Linked Data Archival Descriptions"
TPDL 2023. https://doi.org/10.1007/978-3-031-43849-3_27

RELEVANT CERTIFICATES

Cambridge English | First Certificate of English (FCE) | CEFR Level: B2
Scholarships | E-REDES Top Women Scholarship 2023 | 2nd edition
Excellence Student | Middle and High School Awards | 2012-2019

LANGUAGES

PORTUGUESE: Mother-tongue
ENGLISH: Fluent