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Diogo Cosme

Research Assistant
ISTAR-Iscte - Information Sciences, Technologies and Architecture Research Centre (ISTA)
[Software Systems Engineering]

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Curriculum

Diogo Cosme is a doctoral candidate and researcher specializing in the application of Generative AI to Geographic Information Systems (GIS). He holds both a Bachelor's and a Master's degree in Computer Engineering from Iscte-IUL. During his master's program, he gained international exposure by spending a semester at the Université Gustave Eiffel in Paris as part of a dual-degree program.

His master's dissertation, conducted within the European RESETTING project, involved automatically classifying Smart Tourism Tools (STTs) using Large Language Models to populate the European Smart Tourism Tools Observatory. This research earned him a final grade of 19.

Currently, his PhD research at Iscte-IUL and ISTAR-Iscte focuses on developing natural language interfaces for GIS through AI Assistants. His objective is to make GIS more intuitive and accessible to non-experts by allowing them to interact with and analyze geographic data using simple, conversational language.

In parallel with his doctoral studies, Diogo is involved in the EUROSTIT project, continuing the work from his master's. He also remains committed to continuous learning, as demonstrated by his attendance at LxMLS 25 - Lisbon Machine Learning School, which he attended to strengthen his expertise in machine learning and its applications.

Research Interests

Generative AI

Geographic Information System (GIS)
Natural Language Interaction
AI Assistants
AI Agents

Academic Qualifications

University/Institution	Type	Degree	Period
ISCTE-Instituto Universitario de Lisboa - Escola de Tecnologias e Arquitectura	PhD	Ciências e Tecnologias da Informação	2028
ISCTE-Instituto Universitario de Lisboa - Escola de Tecnologias e Arquitectura	M.Sc.	Engenharia Informática	2024
Université Gustave Eiffel - Institut Gaspard Monge	M.Sc.	Sistemas e Aplicações Inteligentes	2024
ISCTE-Instituto Universitario de Lisboa - Escola de Tecnologias e Arquitectura	Bachelor of Science	Engenharia Informática	2022

Teaching Activities

Teaching Year	Sem.	Course Name	Degree(s)	Coord.
2025/2026	2º	Algorithm Design and Analysis	Bachelor Degree in Computer Engineering (PL);	No

Total Citations

Web of Science®	0
Scopus	2

Publications

- **Books and Book Chapters**

- Book chapter

1	Cosme, D., Galvão, A. & Brito e Abreu, F. (2026). A Systematic Literature Review on LLM-Based Content Classification. In Jorge Bernardino · Ana Fred · Antonella Poggi · Le Gruenwald · Frans Coenen · Elio Masciari · David Aveiro (Ed.), Knowledge Discovery, Knowledge Engineering and Knowledge Management. (pp. 121-149). Cham: Springer.

• Conferences/Workshops and Talks

- Publication in conference proceedings

1	Cosme, D., Galvão, A. & Brito e Abreu, F. (2024). A systematic literature review on LLM-based information retrieval: The issue of contents classification. In Frans Coenen, Ana Fred, Jorge Bernardino (Ed.), Proceedings of the 16th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management. (pp. 135-146). Porto, Portugal: SciTePress. - Times Cited Scopus: 2 - Times Cited Google Scholar: 6

• Other Publications

- Report

1	Galvão, A., Cosme, D. & Brito e Abreu, F. (2023). European Smart Tourism Tools Observatory.