

Cristina Reguera Gómez

AI & DATA SCIENCE

Arnhem, Netherlands

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Skills

Programming	Python, R, JavaScript, SQL, HTML, CSS, LaTeX
Libraries/Tools	PyTorch, TensorFlow, Transformers, NLTK, SpaCy, pandas, scikit-learn, Django, Git, Hugging Face, Docker, AWS
Team Frameworks	Agile, Scrum
Natural Languages	Spanish & Galician (native), English (C2), French (B1), Mandarin Chinese (HSK2), Dutch (A1)

Experience

AI & Data Science Intern

Randstad, Netherlands

DEPARTMENT OF DATA SCIENCE, TNO

Jan. 2024 - Present

- Creating a natural conversational agent for the healthcare domain by researching the effect of empathetic language usage in the agent.
- Evaluating LLMs with a Chain-of-Thought prompting framework and biomedical datasets.
- Building a LLM-powered chatbot and evaluating its usability with a user experiment.
- **Achieved:** Implemented a part of the Docker container (response generator) in the CHIP project (diabetes management chatbot), as part of TNO's Hybrid AI team.

Data Engineering Research Assistant

Utrecht, Netherlands

CENTRE FOR DIGITAL HUMANITIES, UTRECHT UNIVERSITY

Sep. 2023 - Present

- Testing the software for the explorer and virtual research environment of the EDPOP project (European Dimensions of POPular print culture).
- Implementing robust preprocessing pipelines to cleanse and integrate diverse datasets, ensuring data quality and consistency.
- Developing and validating user cases to optimise functionality and usability of research tools.
- **Achieved:** Integrated 3 new datasources to the project, increasing data completeness by 20%, and significantly improved data integrity.

Data Analysis Research Assistant

Utrecht, Netherlands

COMMON LAB RESEARCH INFRASTRUCTURE FOR THE ARTS AND HUMANITIES (CLARIAH), UTRECHT UNIVERSITY

Oct. 2022 - Mar. 2024

- Analysed and annotated research articles, and created a database for the LIDIA project (Linguistic DIagnostics) with Zotero.
- **Achieved:** Improved efficiency by contributing to a tool that allows linguists to quickly find relevant diagnostics, reducing the time spent on manual searches by 50%.

Data Analysis Research Assistant

Boston, USA

PHONETICS, ACQUISITION & MULTILINGUALISM LAB (PAMLAB), BOSTON UNIVERSITY

May 2021 - May 2022

- Analysed phonetic features of the Asian American community in Boston with Praat.
- **Achieved:** Identified significant phonetic patterns that contributed to two research papers: Chang & Fraser, 2023 (<https://doi.org/10.3765/plsa.v8i1.5558>), and Chang & Dione, 2022 (<https://doi.org/10.1121/2.0001669>).

Education

Research M.A. in Computational Linguistics

Utrecht, Netherlands

UTRECHT UNIVERSITY

2022 - Sep. 2024

- Studied courses in Computational Linguistics, Natural Language Processing and Machine Learning from my programme and from the MSc in Artificial Intelligence.
- LOT RM Mobility Programme at Vrije Universiteit Amsterdam.
- Thesis: *Building a Natural Conversational Agent for Healthcare by Examining Empathetic Language* (in progress).

M.A. in Intercultural Communication and Post-baccalaureate in TESOL

Baltimore, USA

UNIVERSITY OF MARYLAND, BALTIMORE COUNTY (UMBC)

2020 - 2022

- Studied courses in Sociolinguistics, Applied Linguistics and Communication.
- Fulbright Foreign Student Programme.
- Thesis: *Online Translanguaging Practices Among Hispanic International Students in the United States* (Grade: A).

B.A. in English Studies

UNIVERSITY OF SALAMANCA

Salamanca, Spain

2015 - 2019

- Studied courses in Linguistics and English Literature.
- Erasmus+ Undergraduate Study Abroad Programme at University College London.
- Thesis: *Within Four Walls: The Portrayal of Home in American Immigrant Literature* (Grade: 10/10).

Non-degree Studies

Hack4Her

UNIVERSITY OF AMSTERDAM & VRIJE UNIVERSITEIT AMSTERDAM

Amsterdam, Netherlands

June 2024

- Hackaton focused on women in tech, where I collaborated with other students from Dutch universities.
- Project: SafePath, a web application that calculates safe walking routes in Amsterdam, based on safety data and user feedback.

17th Conference of the European Chapter of the Association for Computational Linguistics (EACL 2023)

ASSOCIATION FOR COMPUTATIONAL LINGUISTICS (ACL)

Dubrovnik, Croatia

May 2023

- Tutorials: *Emotion Analysis from Texts; Summarization of Dialogues and Conversations At Scale; Mining, Assessing, and Improving Arguments in NLP and the Social Sciences; AutoML for NLP.*

Honours & Awards

SCHOLARSHIPS

- 2022- **Student Finance Grant**, DUO
- 2021 **Baltimore Field School Fellowship**, Andrew W. Mellon Foundation
- 2020-22 **Fulbright Foreign Student Programme**, U.S.-Spain Fulbright Commission
- 2017-18 **Erasmus+ Undergraduate Study Abroad Programme**, European Union

AWARDS

- 2023 **Student Volunteer Award**, ACL
- 2022 **President's Honour List**, UMBC
- 2021 **Ideathon Award for Social Justice**, UMBC Graduate Student Association

Service

- 2023 **Peer Reviewer**, *LingUU Journal*
- 2022-23 **Editor**, *LingUU Journal*
- 2021-22 **Senator**, UMBC Graduate Student Association