

Ruan Chaves Rodrigues

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Education

- **University of the Basque Country & University of Malta** **Spain & Malta**
Erasmus Mundus Master in Language and Communication Technologies *September 2021 – July 2023*
 - Erasmus Mundus Scholarship
 - **Federal University of Goiás** **Brazil**
Bachelor's degree, Computer Science *January 2017 – June 2021*
 - Outstanding Student Award by the Institute of Informatics (INF/UFG)
 - Certificate of Honor by the University Council of the Federal University of Goiás (UFG)
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Experience

Recognai

Data Science Intern

Spain

November 2021 – May 2022

- Wrote tutorials on how to integrate [Rubrix](#) with open source tools for weakly supervised learning, such as [skweak](#) and [epoxy](#).
- Implemented research on automatic data annotation and improved pipeline accuracy by around 4%.

Tools: Python, NumPy, spaCy, Transformers

AI Center of Excellence (CExIA) & Deep Learning Brasil

Researcher

Brazil

August 2020 – June 2021

- Designed and implemented internal chatbots for one of the top 10 energy trading companies in Brazil.
- Applied NLP techniques to deal with data scarcity in low-resource domains across several tasks.

Tools: Python, JavaScript, Node.js, Rasa, Docker, PyTorch, Transformers

Accomplishments

- ♦ **1st place** at three international Natural Language Processing competitions:
 - **ASSIN 2 @ STIL 2019** (*Deep Learning Brasil team*) [[GitHub](#)] [[Paper](#)]
 - **COLIEE 2021 @ ICAIL 2021** (*NeuralMind team*) [[GitHub](#)] [[Paper](#)]
 - **ABSAPT @ IberLEF 2022** (*Deep Learning Brasil team*) [[Paper](#)]
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Projects

- ♦ Created [Hashformers](#), a framework for hashtag segmentation that outperformed the previous state-of-the-art.
- ♦ Fixed a severe bug on widely utilized Portuguese word embeddings, and published my findings at [PROPOR](#), the main NLP conference for the Portuguese language.
- ♦ Fixed bugs on the Hugging Face [transformers](#) and [BLINK](#) libraries.