

# GIUSEPPE CARRINO

AI Master Student at University of Bologna  
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## EDUCATION

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### MSc in Artificial Intelligence

University of Bologna

Excellent results attending courses on theoretical and practical aspects of AI.

*September 2022 - Present*

Average grade: 29.3/30

### Bachelor Degree in Computer Science

University of Bologna

Thesis: "Infrastructure for the comparison of international newspapers".

*September 2019 - July 2022*

110/110 *summa cum laude*

## WORK EXPERIENCE

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### École normale supérieure, Lyon

*Research Intern*

March 2025 - *Ongoing*

*Supervised by Elisa Riccietti, Theo Mary*

- Floating-point finite precision error analysis;
- Newton and Quasi-Newton methods in mixed precision for Machine Learning and scientific computing.

### Amazon, Madrid

*Software Development Engineer Intern*

September 2024 - February 2025

- Full-Stack developing using Java and React;
- Writing and deploying code for worldwide-used shopping services.

### Norwegian University of Science and Technology, Gjøvik

*Research Intern*

September 2021 - November 2021

*Supervised by Angelo Di Iorio, Gioele Barabucci*

- Bachelor thesis on quantitative semantic analysis on newspapers;
- Python and SpaCy.

## PUBLICATIONS

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### Comparison of news commonality and churn in international news outlets with TARO

*Hypertext Conference 2023*

- Won *Ted Nelson Newcomer Award*
- DOI: <https://doi.org/10.1145/3603163.3609062>

### Publishing, linking and translating news in multilingual communities: a mirror of cultural differences?

*Hypertext Conference 2024*

- DOI: <https://doi.org/10.1145/3648188.3675143>

### Investigating news coverage and circulation over time in a quantitative manner: the TARO framework

*New Review of Hypermedia and Multimedia Journal 2024*

- DOI: <https://doi.org/10.1080/13614568.2024.2432300>

## PROJECTS

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### TARO - Tons of Articles Ready to Outline

- Developed in the context of Bachelor's internship at NTNU, expanded in subsequent works;
- Framework for the collection and the comparative analysis of *same topic* newspaper articles;
- Published and presented papers to *Hypertext* conference, winning an *ACM Award* at HT'23.

### SAET - Self-Attentive EmoBERTa for Trigger

- University project for *Natural Language Processing* and *Ethics for Artificial Intelligence* courses;
- Implemented PyTorch model using BERT-based model as a backbone, validated on MELD dataset;
- Different Machine/Deep Learning techniques and assessment of models' explainability with explored and novel methodologies.

### RagnaBot

- University project for *Fundamentals of Artificial Intelligence and Knowledge Representation* course;
- Autonomous player for the board game *Tablut*, ranked 2nd at student competition;
- Used Java's AIMA library and Scikit-Learn Machine Learning models.

## TECHNICAL SKILLS

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### Programming Languages

- Python
- Java
- TypeScript

### Libraries

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|-----------|--------------|
| · NumPy   | · SpaCy      |
| · SciPy   | · Scrapy     |
| · PyTorch | · Matplotlib |

## LANGUAGES

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### Italian

- Native

### Spanish

- Intermediate

### English

- Fluent

### French

- Basic