Laura **Cabello**

PHD FELLOW · NATURAL LANGUAGE PROCESSING

Department of Computer Science, University of Copenhagen, Denmark

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Education

PhD, Computer Science *Copenhagen, Denmark*

UNIVERSITY OF COPENHAGEN *Jun. 2021 - PRESENT*

- Topics: Natural Language Processing, Machine Learning
- Advisor: Prof. Anders Søgaard

MSc, Telecommunication Engineering *Spain & Finland*

UNIVERSITY OF ZARAGOZA & TAMPERE UNIVERSITY OF TECHNOLOGY *2014 - 2017*

- Major: Signal Processing
- Thesis: Autoregressive model based on a deep convolutional neural network for audio generation
- Thesis Supervisors: Prof. Tuomas Virtanen, Prof. Heikki Huttunen

Selected Publications

Laura Cabello*, Terne Sasha Thorn Jakobsen*, Anders Søgaard. Being Right for *Whose* Right Reasons? ACL, 2023.

Laura Cabello, Anna Katrine Jørgensen, Anders Søgaard. On the Independence of Association Bias and Empirical Fairness in Language Models. ACM FAccT, 2023.

Li Zhou, Laura Cabello, Yong Cao, Daniel Hershcovich. Cross-Cultural Transfer Learning for Chinese Offensive Language Detection. Workshop C3NLP@EACL23.

Laura Cabello Piqueras*, Constanza Fierro*, Jonas F. Lotz*, Phillip Rust*, Joen Rommedahl, Jeppe Klok Due, Christian Igel, Desmond Elliott, Carsten Bøcker Pedersen, Israfel Salazar, Anders Søgaard. Date recognition in historical parish records. ICFHR, 2022.

Laura Cabello Piqueras, Anders Søgaard. Are Pretrained Multilingual Models Equally Fair Across Languages? COLING, 2022.

Daniel Hershcovich, Stella Frank, Heather Lent, Miryam de Lhoneux, Mostafa Abdou, Stephanie Brandl, Emanuele Bugliarello, Laura Cabello Piqueras, Ilias Chalkidis, Ruixiang Cui, Constanza Fierro, Katerina Margatina, Phillip Rust, and Anders Søgaard. Challenges and Strategies in Cross-Cultural NLP. ACL, 2022.

Laura Cabello, Eduardo Lleida, Javier Simón, Antonio Miguel, Alfonso Ortega Text-to-Pictogram Summarization for Augmentative and Alternative Communication. Procesamiento del Lenguaje Natural 61, 2018.

Work Experience

NLP Software Engineer *Zaragoza, Spain*

NTTDATA *Jun. 2019 - May. 2021*

- Developing the product Knowler, a tool for knowledge management. I actively participated in the full life-cycle of ML models, from development to production.
- I developed language understanding tasks and defined new functionalities.

Software Engineer *Zaragoza, Spain*

INGENIA *Apr. 2018 - Jun. 2019*

- Software design and development of customized backend systems for our clients, leading transportation companies in Europe.

Applied Researcher *Zaragoza, Spain*

UNIVERSITY OF ZARAGOZA *Apr. 2017 - Apr. 2018*

- Collaboration with the European Project IRIS.
- Research on language technologies for augmentative and alternative communication.

Internships

ACADEMIC

2016 **Tampere University of Technology,** Stay for doing my MSc Thesis *Tampere, Finland*

Professional

2015	**Media Global Links**, R&D department. Network Management Team.	*Tokyo, Japan*

Teaching

2023	**Web Recommender Systems**,
2022	**Web Science**,
2017	**Physics**,
2017	**Mathematics for Telecommunications**,

Skills

Programming	Python, SPARQL, C#, Java
Frameworks and Tools	PyTorch, SpaCy, Git, Docker, .NET
Natural Languages	Spanish (native), English (full professional, Cambridge English Advanced (CAE)), Japanese (limited working)