

# SORODOC IONUT-TEODOR

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## CONTACT INFORMATION

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## RESEARCH INTERESTS

Computational Linguistics, Machine Learning, Computer Vision, Artificial Intelligence.

## EDUCATION

**Ph.D. in Translation and Language Sciences** 2017-2022  
Pompeu Fabra University, Barcelona, Spain.  
Supervisor: Gemma Boleda

**M.Sc. in Cognitive Science, Language and Multimodal Interaction** 2014-2016  
CIMEC, University of Trento, Rovereto, Italy.  
Supervisor: Raffaella Bernardi

**M.Sc. in Human Language Science and Technology** 2014-2016  
University of Malta, Malta.  
Supervisor: Michael Rosner

**B.Sc. in Computer Science** 2010-2013  
University of Bucharest, Romania.

## PUBLICATIONS

**Challenges in including extra-linguistic context in pre-trained language models**  
*Co-authors: Laura Aina, Gemma Boleda* May, 2022  
*Conference: Third Workshop on Insights from Negative Results in NLP*

**Controlled tasks for model analysis: Retrieving discrete information from sequences**  
([paper](#))  
*Co-authors: Marco Baroni, Gemma Boleda* November, 2021  
*Fourth BlackboxNLP Workshop on Analyzing and Interpreting Neural Networks for NLP*

**Probing for referential information in language models** ([paper](#))  
*Co-authors: Kristina Gulordava, Gemma Boleda* July, 2020  
*Conference: The 58th annual meeting of the Association for Computational Linguistics (ACL)*

**What do entity-centric models learn? Insights from entity linking in multi-party dialogue** ([paper](#))  
*Co-authors: Laura Aina, Carina Silberer, Matthijs Westera, Gemma Boleda* June, 2019  
*Conference: The 7th Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL), Minneapolis, United States of America.*

**AMORE-UPF at SemEval-2018 Task 4: BiLSTM with Entity Library** ([paper](#))  
*Co-authors: Laura Aina, Carina Silberer, Matthijs Westera, Gemma Boleda* June, 2018  
*Conference: International Workshop on Semantic Evaluation 2018, New Orleans, United States of America.*

**Comparatives, Quantifiers, Proportions: A Multi-Task Model for the Learning of Quantities from Vision** ([paper](#))  
*Co-authors: Sandro Pezzelle, Raffaella Bernardi* June, 2018  
*Conference: The 6th Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL), New Orleans, United States of America.*

**"Pay Attention to Those Sets!" Learning Quantification from Images.** ([paper](#))  
*Co-authors: Raffaella Bernardi, Aurelie Herbelot, Sandro Pezzelle, Mariella Dimiccoli* Accepted  
*Journal: Natural Language Engineering 24.3, 363-392.* 2018

### Multimodal topic labelling (*paper*)

Co-authors: Tim Baldwin, Jey Han Lau, Nikolaos Aletras

April, 2017

Conference: The 15th Conference of the European Chapter of the Association for Computational Linguistics (EACL), Valencia, Spain.

### "Look, some green circles!": Learning to quantify from images (*paper*)

Co-authors: Angeliki Lazaridou, Gemma Boleda, Raffaella Bernardi, Aurelie Herbelot, Sandro Pezzelle

August, 2016

Conference: 5th Workshop on Vision and Language at ACL, Berlin, Germany.

## WORK EXPERIENCE

### Applied Science Intern

Amazon, Berlin.

November 2021 - March 2022

### Research Intern

Facebook AI Research, New York.

June 2018 - October 2018

### Research Assistant

University of Trento, Italy.

February-September 2017

### Research Intern

University of Melbourne, Australia.

August 2016 - November 2016

## PROJECTS

- **Member** - Student board of the European Chapter of the ACL (EACL) 2020 -
- **Researcher** - EU, Horizon 2020 European Research Council Starting Grant 715154 ("2017 - 2022 AMORE: A distributional MOdel of Reference to Entities"), 1.5 Million, Universitat Pompeu Fabra
- **Member** - The European Network on Integrating Vision and Language (iV&L Net) ICT COST Action IC1307

## TEACHING

**Teaching Assistant:** Corpus Linguistics and Analysis

BA Applied languages, Pompeu Fabra University

**Teaching Assistant:** Empirical methods for studying language

BA Applied languages, Pompeu Fabra University

## RESEARCH ACTIVITIES

- Organizer of EACL Student Research Workshop, 2021.
- Organizer of GeCKO Symposium, Barcelona, 2020.
- Member of the Program Committee of LANTERN Workshop 2020, 2019.
- Reviewer for EMNLP 2019, 2020 and ACL 2019.

## FURTHER TRAINING

**Eastern European Machine Learning (EEML) summer school**

July, 2019, Bucharest, Romania.

**2nd Summer School on Integrating Vision & Language: Deep Learning.**

March, 2016, Malta.

**27th European Summer School in Logic, Language and Information (ESSLLI 2015).**

August, 2015, Barcelona, Spain.

## PROGRAMMING

- Python, PyTorch (Advanced).
- C/C++, Keras (Intermediate).
- Tensorflow, Torch, Java, Scripting (Basic).
- Strong knowledge of algorithms and data structures.

## LANGUAGES

- Romanian: native.
- English: proficient.
- German: basic knowledge.