

# Wessel Poelman

✉ [contact@wesselpoelman.nl](mailto:contact@wesselpoelman.nl)  
🌐 [wesselpoelman.nl](https://wesselpoelman.nl)  
in [wessel-poelman](https://wessel-poelman.nl)  
🔗 [wpelman](https://wpelman.nl)

## Education

- 2023 – **PhD in Computer Science, KU Leuven**  
Supervisor: Miryam de Lhoneux, subject: Multilingual NLP.
- 2021 – 2022 **MSc in Information Science, University of Groningen**  
Supervisor: Johan Bos, thesis results published at COLING. Grade: *cum laude*.
- 2016 – 2021 **BSc in Information Science, University of Groningen**  
**BA in Communication Sciences, University of Groningen**

## Experience

- 2023 – **Software Engineer, Technical University of Munich**  
Assisting in lab and research automation at the Walter Schottky Institute. Writing drivers and parameter sweeps for measurement instrumentation. (volunteer position)
- 2023 – 2023 **Researcher, Technical University of Munich**  
PhD candidate in Informatics, stopped to join KU Leuven.
- 2021 – 2023 **Junior Machine Learning Engineer, Web-IQ**  
Developed NLP solutions for OSINT applications: a transparent topic-based system for calculating risk scores for texts; an entity resolution service assisting analysts with entity disambiguation; text classifiers and their labeling infrastructure; CI/CD workflows.
- 2019 – 2021 **Software Engineer, Beeproger**  
Worked on projects ranging from apps for start-ups to planning and billing software for construction companies. Regular contact with customers regarding technical directions.
- 2018 – 2020 **Student Assistant, University of Groningen**  
Worked as a teaching assistant, research assistant and translator for various courses and professors. Student representative in faculty hiring committees (2018 & 2019).

## Teaching

- 2024 – **Natural Language Processing, MSc, KUL**  
**Data Structures and Algorithms, BSc, KUL**
- 2023 **Natural Language Processing – Methods and Applications, MSc, TUM**
- 2022 Workshop at LCT Summer School, Saarland University
- 2019 **Introduction to Programming I, BSc, RUG**

## Academic

- 2024 – **Member (WG3 & WG4), Co-leader Subtask 4.3, Universality, diversity and idiosyncrasy in language technology (UniDive cost action)**
- Schools LxMLS 2024, ESSLLI 2023
- Reviewer ARR 2024 –, EMNLP 2024 (ER), NAACL 2024 (ER), JURIX 2023, SemEval 2022

- Nov 2024 Oral presentation at *EMNLP*, Miami (US)
- Aug 2024 Poster at *Computational Linguistics in the Netherlands*, Leiden University (Netherlands)
- Jul 2024 Attended *Lisbon Machine Learning School (LxMLS)*, Instituto Superior Técnico (Portugal)
- May 2024 Poster at *Leuven.AI: Science of AI* workshop, KU Leuven (Belgium)
- Jan 2024 Poster at *Human Perspective on Cross-Lingual AI Models*, VU Amsterdam (Netherlands)
- Sep 2023 Talk at *Computational Linguistics in the Netherlands*, University of Antwerp (Belgium)
- Aug 2023 Attended *European Summer School In Logic, Language and Information (ESSLI)*, University of Ljubljana (Slovenia)

## Publications

Peer-reviewed, \* indicates equal contribution. See also [Google Scholar](#) or [Semantic Scholar](#).

9. **How Good Is Your Wikipedia?** (2024)  
Kushal Tatariya\*, Artur Kulmizev\*, **Wessel Poelman**, Esther Ploeger, Marcel Bollmann, Johannes Bjerva, Jiaming Luo, Heather Lent & Miryam de Lhoneux.  
*Preprint, under review.* – [\[pdf\]](#)
8. **A Principled Framework for Evaluating on Typologically Diverse Languages** (2024)  
Esther Ploeger, **Wessel Poelman**, Andreas Holck Høeg-Petersen, Anders Schlichtkrull, Miryam de Lhoneux & Johannes Bjerva.  
*Preprint, under review.* – [\[pdf\]](#)
7. **The Roles of English in Evaluating Multilingual Language Models** (2024)  
**Wessel Poelman** & Miryam de Lhoneux.  
*Under review.*
6. **What is “Typological Diversity” in NLP?** (2024)  
Esther Ploeger\*, **Wessel Poelman**\*, Miryam de Lhoneux & Johannes Bjerva.  
*Empirical Methods in Natural Language Processing (EMNLP)* – [Oral](#) – [\[pdf\]](#)
5. **Engineering Conversational Search Systems: A Review of Applications, Architectures, and Functional Components** (2024)  
Phillip Schneider, **Wessel Poelman**, Michael Rovatsos & Florian Matthes.  
*Workshop on NLP for Conversational AI (NLP4ConvAI) @ ACL* – [Outstanding Paper Award](#) – [\[pdf\]](#)
4. **The CLIN33 Shared Task on the Detection of Text Generated by Large Language Models** (2024)  
Pieter Fivez, Walter Daelemans, Tim Van Cruys, Yury Kashnitsky, Savvas Chamezopoulos, Hadi Mohammadi, Anastasia Giachanou, Ayoub Bagheri, **Wessel Poelman**, Juraj Vladika, Esther Ploeger, Johannes Bjerva, Florian Matthes & Hans Halteren.  
*Computational Linguistics in the Netherlands* [\[pdf\]](#)
3. **Detecting ChatGPT: A Survey of the State of Detecting ChatGPT-Generated Text** (2023)  
Mahdi Dhaini, **Wessel Poelman** & Ege Erdogan.  
*Student Research Workshop @ RANLP* – [\[pdf\]](#)
2. **Transparent Semantic Parsing with Universal Dependencies Using Graph Transformations** (2022)  
**Wessel Poelman**, Rik van Noord & Johan Bos.  
*International Conference on Computational Linguistics (COLING)* – [\[pdf\]](#)
1. **RUG-1-Pegasususers at SemEval-2022 Task 3: Data Generation Methods to Improve Recognizing Appropriate Taxonomic Word Relations** (2022)  
Frank van den Berg\*, Gijs Danoe\*, Esther Ploeger\*, **Wessel Poelman**\*, Lukas Edman & Tommaso Caselli.  
*International Workshop on Semantic Evaluation (SemEval) @ NAACL* [\[pdf\]](#)