

WESSEL POELMAN

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EDUCATION

Technical University of Munich (TUM)

PhD in Computer Science / Informatics

April 2023 - now

University of Groningen

MSc Information Science (cum laude)

Sept 2021 - Aug 2022

BSc Information Science

Sept 2018 - Aug 2021

BA Communication & Information Sciences

Sept 2016 - Jan 2020

RELEVANT PROFESSIONAL EXPERIENCE

Research Associate, *Technical University of Munich*

April 2023 - now

Fully funded PhD position in researching various applied NLP fields.

Junior Machine Learning Engineer, *Web-IQ*

May 2021 - March 2023

Web-IQ structures and collects online data that is used in solving crimes such as fraud, child abuse and human trafficking. I worked on a variety of machine learning solutions, specifically related to natural language processing. I created models for information extraction, classification, clustering and matching.

Tools: python, pandas, huggingface, spacy, pytorch, fastapi, docker and occasionally java.

Software Developer, *Beepronger*

Jul 2019 - May 2021

Beepronger creates custom software solutions. I worked on projects ranging from apps for start-ups to planning software for construction companies. Most of my work was in software that dealt with billing and planning. I also interfaced with numerous external (legacy) systems to import or export data from and to.

Tools: laravel, mysql, php, typescript, react, react-native and occasionally graphql.

Student Assistant, *University of Groningen*

May 2020 - Aug 2020

I assisted dr. W. Vuijk in updating and translating the course *Rijk van de Schaarste* from Dutch to English, now *Philosophy of Communication*.

Teaching Assistant, *University of Groningen*

Sept 2019 - Dec 2019

For the course *Introduction to Programming I* from dr. L. Bosveld I gave seminars, helped students and graded weekly programming assignments in Python.

Student Assistant, *University of Groningen*

Mar 2019 - June 2019

For this project, I helped dr. Y. Ongena with translating her study book *Onderzoek doen met vragenlijsten* (*Doing research with questionnaires*) from Dutch to English.

Student Assistant, *University of Groningen*

Aug 2018 - May 2019

I helped prof. dr. J. Hoeks with several research-related tasks. These were, among others; translating, transcribing, creating questionnaires, distributing research material and performing statistical analyses. I was a member of the selection committee for hiring new assistant professors for Communication & Information Sciences (2018 and 2019).

SKILLS AND INTERESTS

Computer	Professional	Python, Typescript (Javascript), PHP, (My)SQL, Java
	Academic/hobby	L ^A T _E X, C, Golang, Prolog, R
	Notable libraries	Spacy, Huggingface, Pandas, Pytorch, Laravel, React(-native)
	Other	Comfortable with working in Unix-like environments, good and practical knowledge of git, basics of ci/cd, basics of Docker
Languages	Dutch	Native speaker
	West-Frisian	Native speaker
	English	Professional speaking and writing skills

2. **W. Poelman**, R. van Noord, & J. Bos (2022). Transparent Semantic Parsing with Universal Dependencies using Graph Transformations. *In Proceedings of the 29th International Conference on Computational Linguistics (COLING-2022)*, pages 4186-4192, Gyeongju, Republic of Korea. International Committee on Computational Linguistics. [[ACL Anthology](#)] [[Slides](#)] [[Poster](#)]
1. **W. Poelman**[‡], F. van den Berg[‡], G. Danoe[‡], E. Ploeger[‡], L. Edman, & T. Caselli (2022). RUG-1-Pegasussers at SemEval-2022 Task 3: Data Generation Methods to Improve Recognizing Appropriate Taxonomic Word Relations. *In Proceedings of the 16th International Workshop on Semantic Evaluation (SemEval-2022)*, pages 247-254, Seattle, United States. Association for Computational Linguistics. [[ACL Anthology](#)] [[Slides](#)] [[Poster](#)]

[‡] Equal contribution.