Wessel Poelman

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Education

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

Junior machine learning engineer, *Web-IQ*   *May 2021 - now*

Web-IQ structures and collects online data that is used in solving crimes such as fraud, child abuse and human trafficking. I work on a variety of machine learning solutions, specifically related to natural language processing. I create models for information extraction, classification, clustering and matching.
Tools: python, pandas, huggingface, spacy, pytorch, fastapi, docker and occasionally java.

Software developer, *Beeproger*   *Jul 2019 - May 2021*

Beeproger 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	LaTeX, 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

Publications

- **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]

- **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.