

# Daniël van der Weijden

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## Education

### University of Zurich

PhD Candidate

Zurich, CH

Sept 2023 - Current

- Part of Dynamic and Distributed Information Systems group (DDIS) led by Prof. Dr. Abraham Bernstein at the Department of Informatics
- Working on developing a deliberation platform as part of the SNSF-funded *D3: Digital Deliberative Democracy* project.

### Utrecht University

MSc in Artificial Intelligence

Utrecht, NL

Sept 2021 - Aug 2023

- GPA: 3.7/4.0
- Honours Student (Graduate Honours of Interdisciplinary Seminars)
- **Courses:** Advanced Machine Learning, Natural Language Processing, Natural Language Generation, Machine Learning for Human Vision and Language, Human Centered Machine Learning, Data Mining, Logic and Language, Intelligent Agents, Methods in AI Research, Philosophy of AI

### Utrecht University

BSc in Artificial Intelligence

Utrecht, NL

Sept 2019 - Aug 2021

- GPA: 4.0/4.0, Graduated with Distinction
- Member of Faculty Council
- Specialized in Natural Language Processing, Machine Learning and Intelligent Systems

### Utrecht University

BA in Linguistics

Utrecht, NL

Sept 2017 - Aug 2021

- GPA 3.8/4.0
- Chair of Linguistics Study Association, Chair of Political Party "VUUR" for Humanities, Member of Faculty Council
- Specialised in Computational Linguistics, Semantics and Formal Languages

## Work Experience

### Utrecht Data School

Research Assistant

Utrecht, NL

Jan 2022 - Aug 2023

- Performed Data Analysis of Twitter interactions on the topic of Datacenters in the Netherlands with, resulting in a published paper
- Developed a framework and practical implementation for Dutch oversight authorities on how to oversee algorithmic systems, delivered a report and paper
- Conducted research into the influences of politics on twitter and vice-versa, ongoing research
- **Skills:** Research, Data Analytics, Data Visualisation, Data Mining, Social Media Analysis
- **Technical Skills:** Python, NumPy, Pandas, Pytorch, LaTeX, Tableau

### TNO

Research Intern

The Hague, NL

Dec 2022 - Aug 2023

- Conducted research on different implementations of textual data augmentation methods, developing own augmentation methods for Dutch, and implementing local LLM's
- **Skills:** Research, Natural Language Processing, Machine Learning, Cloud Computing
- **Technical Skills:** Python, PyTorch, NumPy, Matplotlib, Seaborn, Pandas, Docker, Latex

### Channable

Technical Support

Utrecht, NL

Sept 2020 - April 2021

- Provided technical support for a platform for centralising eCommerce products.
- Gave walkthroughs for first time customers to the tool, guiding them through all the steps involved in linking up their accounts.

### Utrecht University

Teaching Assistant

Utrecht, NL

Various Periods 2020 - 2022

- Hosted weekly seminars for several courses, graded theoretical assignments, provided feedback on delivered code
- Courses: Machine Learning, Natural and Formal Languages, Introduction on Logic

## Publications

## ARTICLES

The multifaceted and situated data center imaginary of Dutch Twitter

Es, Karin van, Daan van der Weijden, and Jeroen Bakker

*Big Data & Society* 10.1 (2023) p. 20539517231155064. 2023

## CONFERENCE PRESENTATIONS

Infrastructures of Data Power: Revisiting the Twitter Debate on Data Centers in the Netherlands

Es, Karin van, Jeroen Bakker, and Daan van der Weijden

Presented at Data Power, Bremen, 2022

Interviewing an Algorithm: Developing a Research Method for Critical Inquiry into Algorithmic Systems from a Socio-Cultural Perspective

Muis, Iris, Mirko Tobias Schäfer, Arthur Vankan, and Daan van der Weijden

Presented at Data Power, Bremen, 2022

Bursting the Burden Bubble? An Assessment of Sharma et al.'s Counterfactual-based Fairness Metric

Rosmalen, Yochem van, Florian van der Steen, Sebastiaan Jans, and Daan van der Weijden

Presented at BNAIC/BeNeLearn, Mechelen, 2022