Yupei Du

Personal Website: yupei.nl
Email: y.du@uu.nl

EDUCATION

Utrecht University — Utrecht, the Netherlands
Ph.D. in Computer Science, Advisor: Dr. Dong Nguyen — 07.2020–Current
- Working on developing efficient and robust NLP models

East China Normal University — Shanghai, China
M.Sc. in Computer Science, Advisor: Dr. Yuanbin Wu — 09.2017–07.2020
- Thesis: "Research on Detecting Gender Stereotypes in Texts", leads to a long paper in EMNLP 2019

East China Normal University — Shanghai, China
B.Sc. in Psychology — 09.2013–07.2017
- Thesis: "Research on the Attention of Negative Emotional Stimuli"

WORKING EXPERIENCE

Amazon — Berlin, Germany
Applied Scientist Intern — 11.2022 - 05.2023
Worked on user-data-driven enrichment of knowledge graph based product catalog, mentored by Prof. Dr. Ziawasch Abedjan.

Sogou — Hangzhou, China
Research Intern — 07.2019 - 01.2020
Developed a VAE-based question generation system to improve the generation diversity. Used crowd-sourcing to annotate a Chinese question generation dataset consisting of 20k+ samples.

SELECTED PUBLICATIONS

1. **Yupei Du**, Albert Gatt, and Dong Nguyen, "FTFT: efficient and robust Fine-Tuning by transFerring Training dynamics", *arXiv pre-print*.

2. **Yupei Du** and Dong Nguyen, "Measuring the Instability of Fine-Tuning", *ACL 2023*.

3. **Yupei Du**, Qi Zheng, Yuanbin Wu, Man Lan, Yan Yang, and Meirong Ma, "Understanding Gender Bias in Knowledge Base Embeddings", in *ACL 2022*.

4. **Yupei Du**, Qixiang Fang, and Dong Nguyen, "Assessing the Reliability of Word Embedding Gender Bias Measures", in *EMNLP 2021*.

5. **Yupei Du**, Yuanbin Wu, and Man Lan, "Exploring Human Gender Stereotypes with Word Association Test", in *EMNLP 2019*.

ACADEMIC SERVICE

- **Program Committee** — 2021 - Current
  ACL, EMNLP, NAACL, EACL, ACL Rolling Review

- **Outstanding Reviewer**
  ACL 2022

TEACHING

- **Teaching Assistant and Lecturer** at Utrecht University   2024
  Transformers: Applications in Language and Communication (INFOMTALC)
- **Teaching Assistant** at Utrecht University   2020
  Methods in Artificial Intelligence Research (INFOMAIR)
- **Teaching Assistant** at Utrecht University   2021 - 2023
  Applications of Machine Learning (INKUB3APML)
- **Teaching Assistant** at Utrecht University   2021 - 2023
  Human-centered Machine Learning (INFOMHCML)

EXAMPLE SUPERVISION

- Xinyu Zhang, "Study on Iterative Nullspace Projection Debiasing of Multiple Attributes of Word Embedding", Master's thesis, 2022.

- Michael Pieke, "BERT, but Better: Improving Robustness using Human Insights", Master's thesis, 2023.

- Daan van der Weijden, "Dutch Data Augmentation For Low-Resource Tasks – can large language models be used for dutch data augmentation?", Master's thesis, 2023.

- Goya van Boven, "Transforming Dutch: Debiasing Dutch Corefence Resolution Systems for Non-Binary Pronouns", Master's thesis, 2024. **Leads to a full conference paper to appear at FAccT 2024**.

SCHOLARSHIPS AND AWARDS

- ECNU Zhihui Award   2019
  Top 5% of the master's students in East China Normal University.
- Utrecht University Teaching Award   2022
  In recognition of distinguished teaching of Applications of Machine Learning.