# Yupei Du

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## EDUCATION

**Utrecht University** — Utrecht, the Netherlands
Ph.D. in Computer Science, Advisor: Dr. Dong Nguyen — 07.2020–Current

- Working on the robustness of NLP models, including their training instability, societal biases, and generalization to unseen test data.

**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; Amsterdam, the Netherlands
Applied Scientist Intern — 11.2022 - Current
Working on catalog enrichment.

**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** and Dong Nguyen, "Measuring the Instability of Fine-Tuning", to appear in *ACL 2023*.

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

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

4. **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** at Utrecht University                                      Fall 2020 - 2021
  *Methods in Artificial Intelligence Research (INFOMAIR)*
- **Teaching Assistant** at Utrecht University                                    Spring 2021 - 2022
  *Applications of Machine Learning (INKUB3APML)*
- **Teaching Assistant** at Utrecht University                                    Spring 2021 - 2023
  *Human-centered Machine Learning (INFOMHCML)*

## Supervision

- Joris Albers, "Comparing Contextualised Embeddings for Predicting the (Graded) Effect of Context in Word Similarity", Bachelor's thesis, 2021.

- Alexander van Leeuwen, "Detecting Toxic Text Spans using SHAP", Bachelor's thesis, 2022.

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

## 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.