

## EDUCATION

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### 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

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### Amazon

Berlin, Germany; Amsterdam, the Netherlands

Applied Scientist Intern

11.2022 - Current

Working on diversify product departments in search navigation.

### 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.

## PUBLICATIONS

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1. **Yupei Du**, Qi Zheng, Yuanbin Wu, Man Lan, Yan Yang, and Meirong Ma, “Understanding Gender Bias in Knowledge Base Embeddings”, in *ACL 2022*.
2. **Yupei Du**, Qixiang Fang, and Dong Nguyen, “Assessing the Reliability of Word Embedding Gender Bias Measures”, in *EMNLP 2021*.
3. Guanyi Chen, Yinhe Zheng, and **Yupei Du**, “Listener’s Social Identity Matters in Personalised Response Generation”, in *INLG 2020*.
4. **Yupei Du**, Yuanbin Wu, and Man Lan, “Exploring Human Gender Stereotypes with Word Association Test”, in *EMNLP 2019*.

## ACADEMIC SERVICE

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- **Program Committee** 2021 - 2022  
*ACL, EMNLP, NAACL, EACL, ACL Rolling Review*
- **Outstanding Reviewer**  
*ACL 2022*

## TEACHING

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- **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 - 2022  
*Human-centered Machine Learning (INFOMHCML)*

## SUPERVISION

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- 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

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- 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.