

YUQIN ZHOU

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EDUCATION

University of Copenhagen

Sep 2021 - Oct 2023

M.Sc. in Information Technology and Cognition — GPA: 10.3/12.0

Thesis: *Tensor Networks for Language Modeling*.

Tianjin University

Sep 2017 - Jul 2021

B.A. in English (Linguistics track) — GPA: 3.72/4.0

Thesis: *Difference in Use of English Article System by Chinese and English Native Users Based on Semantic Wheel* (Outstanding Undergraduate Thesis).

ACADEMIC EXPERIENCE

Graduate Research Assistant

Jul 2023 - now

Department of Computer Science, University of Copenhagen

- Analyzed web tracking data (> 1 Tb) in the "Privacy Lost" project to unveil the evolution of commercial user surveillance, considering the impact of political, economic, and demographic forces.

Undergraduate Research Assistant

Jun 2019 - Jun 2020

Acoustic laboratory, Tianjin University

- Used Praat to examine 2000+ English speech recordings from Chinese L2 learners.
- Assisted the project: "English Lexical Stress Production by Native Speakers of Tibetan."

Undergraduate Project Leader

Apr 2019 - Apr 2020

National Undergraduate Training Programs for Innovation and Entrepreneurship, Tianjin University

- Used statistical methods to analyze the translation strategies of martial arts novels (2 million words).

SUMMER SCHOOLS

Data and Policy Summer Scholar Program, University of Chicago

Jul 2020 - Sep 2020

- Enhanced statistical and R programming skills through two seven-week courses.
- Studied the correlation between revenue and territorial control in Afghanistan.

Social Science Research Summer Program, Peking University

Jun 2019 - Jul 2019

- Learned statistics, probabilities, and R programming.

PUBLICATIONS

Yuqin Zhou, Zhan Su, Jakob Grue Simonsen, Benyou Wang, Qiuchi Li, Christina Lioma. 2023. *Towards Language Modeling Using Tensor Trains*. Preprints.

Zhan Su, **Yuqin Zhou**, Jakob Grue Simonsen, Benyou Wang. 2023. *Reinforced Queries using Pre-trained Language Models in Sparse Retrieval*. Preprints.

SKILLS

Programming Languages	Python, R, SQL, and Visual Basic.
Python Packages	PyTorch, JAX, Haiku, Flax, Jupyter, NumPy, NLTK, Scikit-learn, Matplotlib, Pandas, Matplotlib, and Numpy.
Software & Tools	Git, LaTeX, SPSS, Microsoft Suite, and Praat.
Natural Languages	Mandarin Chinese, English, and German (intermediate).

COURSEWORK

Linguistics: Introduction to Linguistics, Language and Society, Stylistics, Syntax A and Syntax B.

Computer Science: Basis of College Computer Science, Fundamentals of Computer Software, Data Analysis in Public Policy, Introduction to R Programming, Introduction to Data Science, The Missing Semester of Your CS Education (self-studied), and Scientific Programming.

Mathematics: Introduction of Advanced Mathematics, Linear Algebra (self-studied), Multivariable Calculus (self-studied), and Introduction to Probability and Statistics (self-studied).

Natural Language Processing: Machine learning, Language Processing 1, Language Processing 2, Neural Information Retrieval, and Advanced Topics in Natural Language Processing.

Cognitive Science: Cognitive Science 1, Cognitive Science 2, and Cognitive Science 3.

HONORS AND AWARDS

Merit Student, Tianjin University	2017-2018
Student Representative Prize for Outstanding Contribution, Tianjin University	2017-2018
Advanced Individual of Volunteer, Tianjin University	2017-2018
Advanced Individual of Sports Activities, Tianjin University	2017-2018

WORK EXPERIENCE

Consultant Intern	Jul 2019 - Sep 2019
<i>China International Intellectech Corporation Consulting Ltd.</i>	
<ul style="list-style-type: none">· Used Excel to collect and clean data to provide talent review services to clients.· Provided clients with individual career assessments and corresponding reports.	

HOBBIES

Badminton (varsity player), Bicycling, Swimming, and Literature.