

# YUQIN ZHOU

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## EDUCATION

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### 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

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### "Privacy Lost" Project, University of Copenhagen

Jul 2023 - now

*Research Assistant*

Analyzed web tracking data (> 1 Tb) to unveil the evolution of commercial user surveillance, revealing the impact of political, economic, and demographic forces.

### Data and Policy Summer Scholar Program, University of Chicago

Jul 2020 - Sep 2020

*Student*

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

### Acoustic laboratory, Tianjin University

Jun 2019 - Jun 2020

*Project Assistant*

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

### National College Students Innovation and Entrepreneurship Project

Apr 2019 - Apr 2020

*Team Leader*

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

### Social Science Methods and Research Training Program, Peking University

Jun 2019 - Jul 2019

*Student*

- Learned statistics, probabilities, and R programming.

## PUBLICATIONS

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**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

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### 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.

### Languages

Mandarin Chinese, English, and German (intermediate).

## COURSEWORK

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**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, 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.

## PRIZES

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Merit Student, 2018; Student Representative Prize for Outstanding Contribution, 2018; Advanced Individual of Volunteer Service, 2018; and Advanced Individual of Sports activities, 2018.

## WORKING EXPERIENCE

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**China International Intellectech Corporation Consulting Ltd.**  
*Consultant Intern*

Jul 2019 - Sep 2019

- Used Excel to collect and clean data to provide talent review services to clients.
- Provided clients with individual career assessments and corresponding reports.