

# ZEYUAN CHEN

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## 🎓 EDUCATION

**Uppsala University**, Uppsala, Sweden

Sep. 2024 - Jun. 2026 (expected)

*Master of Science* in **Social Science**, Department of Informatics and Media

- **Research Interest:** Text Computing; Network Analysis; Social Inequality; Digital Movement; Scientific Communication.
- **Grade:** All courses have been rated VG (pass with distinction) so far.
- **Courses:** Introduction to Machine Learning, Forecasting Methods and Causal Inference for the Social Sciences, Quantitative Methods, Digital Media & Democracy and the Welfare State, etc.

**Beijing Normal University (BNU)**, Beijing, China

Sept. 2020 - Jun. 2024

*Bachelor* in **Philosophy** (Liyun Honour Class), with a minor in **Sociology**

- **Grade:** Major GPA: 3.81/4.0 Overall GPA: 3.67/4.0 **3rd** in my class (awarded postgraduate recommendation)
- **Courses:** Advanced Algebra, Mathematics Analysis, Introduction to Statistics (R), Social Statistics, Interactive Python Programming, Statistical Software for Social Sciences (SPSS), Social Stratification and Social Mobility, Social Policy, etc.

**Radboud University**, Nijmegen, Netherlands

Jan. 2023 - May. 2023

*Exchange Programme* in Faculty of Philosophy, Theology and Religious Studies

## 🔍 RESEARCH & PUBLICATION

**Cultural Dynamics and Knowledge Communication**

Sep. 2024 - Until further notice

*Individual Research* Self-motivated

**Title:** The Invisible in Philosophy: Mapping the Stanford Encyclopedia of Philosophy Entries Network

- Scraped all entries from the Stanford Encyclopedia of Philosophy using Python's Selenium, extracting text, publication dates, and links (including interlinking relationships).
- Conducted exploratory analysis using Louvain community detection and degree distribution. Developed OLS (for PageRank score) and logistic regression (for orphan entry status) to examine the impact of gender, region, and philosophical tradition on the visibility of encyclopedia entries.

**Title:** Science and Technology in Science Fiction: A Pre- and Post-WWII Comparison through Word Embedding and Mixed-Method Topic Modelling

- Scraped book metadata and automatically generated summaries from the Gutenberg database using Selenium in Python.
- Explored themes in science fiction literature through inductive text analysis and Correlation Explanation topic modeling.
- Measured semantic shifts in science fiction topics before and after World War II using cosine similarity of Word2Vec.

**Health Economics Research Program**

Dec. 2023 - Present

*Research Assistant* at Renmin University of China

**Content:** Research on topics such as patient referral behavior, quality of life year, etc.

- One paper recently accepted: developing mapping algorithms from disease-specific instruments onto generic-based Quality of Life instruments, employing k-fold cross validation and bootstrapping estimation.
- Two working papers: a) Quantile regression based on data from a national survey was used to identify socio-demographic factors affecting elderly patients with nephropathy in different health states; b) Panel Tobit regression and 2SLS were used to estimate the impairment of cognitive ability by (water-damage-induced) mold odor exposure, based on three waves of longitudinal data from CHLHS.

**Beijing Undergraduate Research Training Program**

Jun. 2021 - May. 2022

*Team Research* Leader

**Title:** Internet Public Opinion Incidents on Gender Issues and their Social Impact.

- Collected and analyzed online public opinion data on gender issues using Python, employing web scraping, descriptive statistics, and correlational analysis.
- Conducted critical discourse analysis and case studies to examine how different discursive practices on social media construct and reinforce gender ideologies.

## 🔧 WORKING EXPERIENCE

**Intern** BNU Internet Institute - Research Assistant

Feb. 2024 - Jun. 2024

*Python, Microsoft Office*

- Collected and analyzed large-scale textual data using Python (Selenium), automating web scraping processes to extract key insights for research on generative AI and state governance.

- Assisted in revising an academic report, ensuring clarity, coherence, and methodological rigor in discussions on the regulatory challenges and societal implications of generative AI.

**Intern** DiDi Global - Map Product Manager

Aug. 2023 - Oct. 2023

Python, SQL, Excel

- Worked closely with the data engineering team and the operation department to design and implement data tracking points, optimizing data collection for location-based services.
- Analyzed driving behavior data from the Google Maps API and user feedback, identifying patterns to enhance routing algorithms and user experience.

**Intern** Meituan - UX Operation

May. 2023 - Aug. 2023

SQL, Excel, User Research

- Conducted data-driven analysis on user engagement and service efficiency, leveraging SQL and Excel to extract actionable insights for UX improvements.
- Designed and facilitated user interviews to gather qualitative feedback, informing product optimization strategies based on customer needs and pain points.

⚙️ SKILLS

- **Data Analysis:** Python (selenium, sklearn, networkx, etc.), R, Stata, SPSS
- **Computer Science:** C/C++ (Basic data structure and algorithm), Python, Git, SQL
- **Language:** English (IELTS - 7.5), Chinese, Reading French (A2 - B1)

♥️ HONORS AND AWARDS

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| Full Scholarship, Uppsala University                                       | 2024 |
| Outstanding Camper, Philosophy Summer Camp of East China Normal University | 2023 |
| 3 <sup>rd</sup> Prize, Academic Essay Competition at BNU                   | 2023 |
| 2 <sup>nd</sup> Prize, Scholarship of Beijing Normal University            | 2022 |
| 3 <sup>rd</sup> Prize, Scholarship of Beijing Normal University            | 2021 |
| Honourable Mention, Interdisciplinary Contest In Modeling                  | 2021 |