Yang **Yue**

MASTER'S STUDENT IN STATISTICS

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Summary

I am a graduate student in Statistics experienced in leveraging statistical and programming tools to solve a wide range of problems.

Skills

Programming Languages

PYTHON, R, SCALA

Markup Languages

HTML, LaTeX

Machine Learning Frameworks

AIRFLOW, NLTK, PANDAS, PYSPARK, PYTORCH, SCIKIT-LEARN, SPACY, TENSORFLOW

Others

BASH, DOCKER, GIT, JUPYTER NOTEBOOK, MONGODB, POSTGRESQL, SHELL, STATA, TABLEAU

Natural Languages

ENGLISH (FLUENT), GERMAN (BASIC), MANDARIN CHINESE (NATIVE)

Education

University of Illinois at Urbana-Champaign (UIUC)   *Champaign, IL*

MASTER OF SCIENCE IN STATISTICS-ANALYTICS   *Aug. 2021 - May. 2023*

University of Illinois at Urbana-Champaign (UIUC)   *Champaign, IL*

DOCTOR OF PHILOSOPHY IN ECONOMICS (INCOMPLETE)   *Aug. 2016 - May. 2021*

University of Illinois at Urbana-Champaign (UIUC)   *Champaign, IL*

MASTER OF SCIENCE IN ECONOMICS   *Aug. 2014 - May. 2016*

University of International Business and Economics (UIBE)   *Beijing, China*

BACHELOR OF ARTS IN FINANCE   *Aug. 2010 - Jul. 2014*

Work Experience

Department of Civil and Environmental Engineering, UIUC   *Champaign, IL*

GRADUATE ASSISTANT   *Aug. 2021 - Present*

- Develop simulations (numerical experiments) on various topics in statistics with Python and R to expand the question bank on PrairieLearn, an online problem-driven learning system.
- Hold weekly R help sessions for over 60 undergraduate engineering students to encourage early adoption of programming tools in their studies.
- Collaborate with team members to support the Strategic Instructional Innovations Program.

College of Law, UIUC   *Champaign, IL*

RESEARCH ASSISTANT TO PROF. JEREMY MCCLANE   *May. 2021 - Feb. 2022*

- Implement rule-based and machine learning natural language processing (NLP) procedures to parse and classify (44 labels) legal clauses from over 6 thousand credit agreements (3 GB) in Python.
- Process foot traffic data (18 GB) to support the small business pandemic resilience project funded by the National Science Foundation.

Deloitte Foundation Center for Business Analytics, UIUC   *Champaign, IL*

RESEARCH ASSISTANT TO PROF. ZACK KERTCHER   *May. 2021 - Aug. 2021*

- Developed a complete data case (business case focused on data and related analytical methods) for graduate-level business courses with R.
- Identified unique individuals in anonymous human resources data sets reported at a semiannual frequency with over 1 million entries.
- Analyzed new hire, promotion, and departure patterns of over 50 thousand identified employees to evaluate the institution's diversity performance.

Department of Economics, UIUC   *Champaign, IL*

TEACHING ASSISTANT   *Aug. 2016 - May. 2021*

- Promoted to head teaching assistant in 2020.
- Delivered weekly review sessions on topics in macroeconomics to over 100 students per semester.
- Improved grading strategies to incentivize consistent online participation during the pandemic.

Department of Finance, UIBE   *Beijing, China*

Research Assistant to Prof. Hongyu Guo   *Oct. 2013 - Jun. 2014*

- Produced a literature review on U.S. government-sponsored enterprises (GSEs) and their roles during the financial crisis for a housing market projected funded by China Development Bank.

Loan Management Department, China Development Bank   *Beijing, China*

Summer Intern   *Jun. 2013 - Sep. 2013*

- Constructed a data set of provincial-level macroeconomic indicators to evaluate regional credit conditions for loan assessment.

Honors & Awards

Office of the Provost, UIUC   *Champaign, IL*

List of Teachers Ranked as Outstanding (Top 10% University-Wide)   *2016, 2018, 2019, 2020*
List of Teachers Ranked as Excellent   *2017, 2019*

Mathematical Contest in Modeling   *Beijing, China*

Honorable Mention   *2013*

Extracurricular Activities

American Economic Association   *Champaign, IL*

Member   *2021*

Omicron Delta Epsilon   *Champaign, IL*

Member   *2016*