

RUI LI

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EDUCATION

Renmin University of China, Beijing, China 09/2020 – 06/2024 (expected)
B.S. in Mathematics, GPA: 3.84/4, Rank: 1/19
B.A. in Economics, GPA: 3.68/4, Rank: 6/19

RESEARCH EXPERIENCE

Electoral College versus Popular Vote Beijing, China
Research Assistant, Advisor: Prof. Zijia Wang 09/2022 – 01/2023

Area: Game theory, Contest theory

- Proposed a stylized model of an election game with two candidates and multiple districts
- Compared *EC* and *PV* from the perspectives of winning chance, campaign expenditure, and inversion rate

Maximizing Network Reliability with Limited Monitoring Resources Beijing, China
Research Assistant, Advisor: Prof. Puwei Wang 02/2023 – 06/2023

Area: Contest theory, Service-oriented Computing

- Proposed a contest-based mechanism that integrates LSTM and GCN methods to identify a monitoring allocation strategy that maximizes network reliability.

RELATED COURSES

- Partial differential equation (93, Final:97)
- Complex Analysis (90)
- Probability theory (97, Final:98)
- Analysis I,II,III (94,91,91)
- Functional analysis (94, Mid:97)
- Real Analysis (91)
- Abstract Algebra (83)
- Advanced Algebra I,II (82,90)

SELECTED OPEN-SOURCE PROJECTS

Asset Pricing via Machine Learning 03/2023 – 06/2023

- Initialized project with comprehensive functionality and high-quality software engineering standard
- Implemented advanced statistical models, including time series analysis and machine learning algorithms, to forecast stock returns and identify potential market trends
- Elucidated the causal mechanisms embedded within the models utilized in this project

SELECTED AWARDS

- National Undergraduate Training Program for Innovation and Entrepreneurship 2022
- Third prize, “Challenge Cup” National Contest 2022

PUBLICATIONS

- Puwei Wang, Zhouxing Sun, **Rui Li**, Jinchuan Chen*, Ping Gong, Xiaoyong Du, “An Efficient Customized Blockchain System for Inter-Organizational Processes,” Accepted by **IEEE ICWS’23**

SKILLS

Programming Languages: Python, C/C++, R, Stata

Frameworks: PyTorch, Keras

Tools: Git, L^AT_EX

LANGUAGE

CET6: 551