

Shuo Qin

CHERN INSTRUCTOR · BIMSA

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Employment

Beijing Institute of Mathematical Sciences and Applications

CHERN POSTDOCTORAL INSTRUCTOR

Beijing

Jun. 2024 - Present

Education

New York University

PH.D. IN MATHEMATICS

- Supervisor: Prof. Pierre Tarrès
- Thesis: Reinforced Random Walks and Interacting Urns

New York & Shanghai

Sept. 2019 - Sept. 2024

LPSM at Sorbonne Université

VISITING STUDENT

Paris

Feb. 2023 - May 2023

Fudan University

BACHELOR OF SCIENCE IN MATHEMATICS AND APPLIED MATHEMATICS

- Thesis supervisor: Prof. Jiangang Ying

Shanghai

Sept. 2015 - Jun. 2019

Research Interest

Probability theory, especially self-interacting random processes and random walks in changing environments.

Publications

PUBLISHED/ACCEPTED

Shuo Qin. Recurrence and transience of multidimensional elephant random walks. *Annals of Probability*, to appear.

SUBMITTED

Shuo Qin. 2024. Recurrence and transience of step-reinforced random walks.

Shuo Qin. 2023. Interacting urn models with strong reinforcement.

PREPRINTS

Shuo Qin, Pierre Tarrès. 2023. Continuous-time vertex-reinforced random walks on complete-like graphs.

Invited Talks

May 2024. NYU Shanghai-Kyoto-Waseda Young Probabilists' Meeting, Kyoto University

Mar. 2024. Workshop on Random Walks, Tianyuan Mathematics Research Center

Jan. 2024. Probability and Statistical Physics Seminar, Tsinghua Sanya International Mathematics Forum

Dec. 2023. Probability Seminar, Northeastern University at Qinhuangdao (Online)

Dec. 2023. Yangtze River Delta Probability & Statistics Seminar, East China Normal University

Oct. 2023. Probability Seminar, NYU Shanghai

Oct. 2023. Probability Seminar, Fudan University

Awards, Fellowships & Grants

- 2019 **NYU Shanghai Doctoral Fellowship**, NYU Shanghai
- 2019 **Outstanding Graduates of Fudan University**, Fudan University
- 2018 **Taiping Life Insurance Scholarship**, Fudan University
- 2017 **Willis Towers Watson Scholarship**, Fudan University

Teaching Experience

- Fall 2023 **Probability and Statistics & Introduction to Stochastic Processes**, Grader *NYU Shanghai*
- Spring 2023 **Probability and Statistics**, Grader *NYU Shanghai*
- Fall 2022 **Calculus**, Grader *NYU Shanghai*
- Fall 2021 - Spring 2022 **Probability and Statistics**, Teaching Assistant *NYU Shanghai*
- Spring 2021 **Honors Theory of Probability**, Teaching Assistant *NYU Shanghai*
- Fall 2020 **Calculus**, Teaching Assistant *NYU Shanghai*
- Fall 2018 - Spring 2019 **Mathematics Department Tutoring Lab**, Tutor *Fudan University*

Academic Service

Referee for the Annals of Probability, Annals of Applied Probability, Journal of Mathematical Physics.