

Jiayi Shen

Ph.D. Student, Data Science and Analytics Thrust, HKUST(GZ)

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Homepage

Education

Hong Kong University of Science and Technology (Guangzhou) (HKUST(GZ)) 2026.09-Present

Ph.D. Student, Data Science and Analytics Thrust

Advisor: Prof. Tianyuan Jin

University of Science and Technology of China (USTC) 2021.09 – 2026.07

B.Eng. in Finance, School of Management

Outstanding Graduate; Advisor: Prof. Weiwei Zhuang

Research Interests

High-dimensional and Sequential Statistical Inference

Online Learning and Adaptive Algorithms

Bandits and Reinforcement Learning for Sequential Decision-Making

Large Language Models and Foundation Model Methods

Research Experience & Internship

Undergraduate Research Program, USTC Dec. 2024 – Jan. 2026

Advisor: Prof. Weiwei Zhuang; Key Project (30%)

Improved E-Value Thresholds under Lipschitz Constraints with Applications to FDR Control and Sequential Testing

Teaching Experience

Teaching Assistant

Stochastic Process A USTC Mar. 2026 – Jul. 2026

Stochastic Process B USTC Sept. 2025 – Jan. 2026

Stochastic Process B USTC Sept. 2024 – Jan. 2025

Work Experience

Summer Internship ICBC Jul. 2024

Volunteer Teaching USTC Jul. 2022 – Aug. 2022

Selected Awards & Honors

Awards & Honors

Outstanding Graduate – top 15% Mar. 2026

Excellent Student Scholarship, Bronze – top 20% Oct. 2025

Excellent Student Scholarship, Silver – top 10% Oct. 2021

Competition

Anhui Provincial Collegiate Programming Contest (AHPCPC) – Rank 2 of 2nd Prize May. 2025