

Yuan Yuxin

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EDUCATION

National University of Singapore <i>PhD student in Operations Research</i>	Industrial System Engineering and Management <i>Supervisor: Qin Hanzhang, Bar Light</i>	SGP <i>Sep 2024-Now</i>
Renmin University of China <i>Master of Applied Statistics</i> • GPA : 3.83 / 4 (Top 20%)	Institute of Statistics and Big Data <i>Supervisor: Yan Xing</i>	Beijing, CHN <i>Sep 2022 - Jun 2024</i>
Wuhan University <i>Bachelor of Mathematics and Applied Mathematics</i> • GPA : 3.35 / 4 (Top 20%)	Hongyi Honor College	Wuhan, CHN <i>Sep 2018 - Jun 2022</i>

RESEARCH

Optimal Fees in a Two-sided Market

Working in progress

Jan, 2025 – now

This study examines optimal fee structures for a two-sided online economic market in which buyers and sellers transact via a digital platform. We develop a stylized theoretical model that captures the strategic behavior of both sides, focusing on the platform's decision to allocate fees between the buying side and the selling side. By analyzing how fees affect equilibrium price, we characterize the fee allocation scheme that maximizes the platform's value while preserving balanced market growth.

AWARDS & HONORS

• Nus research Scholarship	<i>Aug, 2024</i>
• The First Prize Scholarship, Renmin University of China	<i>Dec, 2023</i>
• Merit Student, Renmin University of China	<i>Sep, 2023</i>
• Outstanding Graduate Student, Wuhan University	<i>Jun, 2022</i>
• Outstanding Student of Wuhan University, Wuhan University	<i>Jun, 2022</i>
• The Third class Scholarship, Wuhan University	<i>Dec, 2021/2020/2019</i>
• Academic Scholarship, Hongyi Honor College	<i>Dec, 2021/2020</i>

MORE INFORMATION

- Skills: python, C++, R, Matlab
- Language: **TOEFL (97/120)(best score 101) ; GRE(328/340); CET-6 (590/710)**
- Interests: Music (piano, guitar, singing), photography (working for campus media)