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RESEARCH INTERESTS	online marketplaces, revenue management and pricing, video game analytics, social operations management, customer choice modelling	
EDUCATION	Columbia University Ph.D. Candidate in Operations Research • Advisor: Adam Elmachtoub M.S. in Operations Research	New York, NY (expected) Jun 2022 Feb 2018
	University of International Business and Economics B.S. in Financial Engineering	Beijing, China Jun 2016
RESEARCH PAPERS	<p>“Loot Box Pricing and Design”, with Ningyuan Chen, Adam Elmachtoub and Michael Hamilton. <i>Management Science</i> (2021).</p> <ul style="list-style-type: none"> • Third Prize, Chinese Scholars Association for Management Science and Engineering (CSAMSE) Best Paper Award 2021. • First Place, 2019 IBM Best Student Paper Award (INFORMS Service Science). • Accepted to The 21th ACM Conference on Economics and Computation (EC’20). • Invited to present at the Federal Trade Commission (FTC) Workshop on Consumer Issues Related to Loot Boxes, 2019 (one of four research papers selected). <p>“Price Discrimination with Fairness Constraints”, with Maxime Cohen and Adam Elmachtoub. <i>Management Science</i>, <i>forthcoming</i>.</p> <ul style="list-style-type: none"> • Spotlight presentation at INFORMS RMP Conference 2021. • Accepted to The ACM Conference on Fairness, Accountability, and Transparency (FAccT’21). • Oral presentation at The 4th Workshop on Mechanism Design for Social Good (MD4SG’20). <p>“Herding, Learning and Incentives for Online Reviews”, with Rajeev Kohli and Yeqing Zhou. <i>Rejected with invitation to resubmit at MSOM</i>.</p> <p>“Matchmaking Strategies for Maximizing Player Engagement in Video Games”, with Mingliu Chen and Adam Elmachtoub. <i>Major revision at Operations Research</i>.</p>	
PRE-PHD PUBLICATIONS	<p>“Pricing of Reusable Resources under Ambiguous Distributions of Demand and Service Time with Emerging Applications”, joint with Vinh Xuan Doan and Siqian Shen. <i>European Journal of Operational Research</i> (2020).</p> <p>“Dynamic Pricing and Learning with Competition: Insights from the Dynamic Pricing Challenge at the 2017 INFORMS RM & Pricing Conference”, with Ruben van de Geer, Arnoud V. den Boer, Christopher Bayliss, Christine S. M. Currie, Andria Ellina, Malte Esders, Alwin Haensel, Kyle D. S. Maclean, Antonio Martinez-Sykora, Asbjørn Nilsen Riseth, Fredrik Ødegaard and Simos Zachariades. <i>Journal of Revenue and Pricing Management</i> (2019).</p>	

“Stochastic Maximum Flow Interdiction Problems under Heterogeneous Risk Preferences”, with Siqian Shen and Yongjia Song. *Computers & Operations Research* (2018).

HONORS AND AWARDS

Third Prize, Chinese Scholars Association for Management Science and Engineering (CSAMSE) Best Paper Award, 2021

Cheung-Kong Innovation Doctoral Fellowship (for research in new economy), 2021

Columbia Deming Doctoral Fellowship (for data-driven research), 2020

First Place, IBM Best Student Paper Award (INFORMS Service Science), 2019

First Place, Dynamic Pricing Challenge of INFORMS RMP Conference, 2017

TEACHING EXPERIENCE

Columbia University

Instructor

- Graph Theory by Example, Columbia Science Honors Program: Fall 2020, Spring 2021

Teaching Assistant

- IEOR 4701 Stochastic Models for Financial Engineering (core course for MS in Financial Engineering): Spring 2021
- IEOR 4650 Business Analytics (core course for MS in Business Analytics): Fall 2020
- IEOR 4004 Optimization Models and Methods (core course for MS in Operations Research): Fall 2018.
- DROM 8816 Quantitative Pricing and Revenue Analytics (elective for MBA): Fall 2018.

PROFESSIONAL EXPERIENCE

Activision Blizzard

Data Science Intern

New York, NY

Summer 2020

KPMG Consulting

Consultant

Beijing, China

Summer 2018

ACADEMIC SERVICES

Ad-hoc reviewer for *Management Science*, *Operations Research*, *Manufacturing & Service Operations Management*, *European Journal of Operational Research*.

Program Committee Member for *Fairness, Accountability, and Transparency (FAccT)* (2022).

INVITED TALKS

Matchmaking Strategies for Maximizing Player Engagement in Video Games

- Riot Games, virtual Nov 2021
- Activision, Santa Monica, CA Nov 2021
- NetEase Games (Thunder Fire UX Research Center), Hangzhou, China Jul 2021
- ByteDance (Nuverse Games), Beijing, China May 2021

Loot Box Pricing and Design

- CSAMSE Annual Conference Jul 2021
- INFORMS Revenue Management & Pricing Conference Jun 2021
- MSOM Annual Conference Jun 2021
- Trans-Atlantic Doctoral Conference, London Business School May 2021
- The 21th ACM Conference on Economics and Computation (EC'20) Jul 2020
- Tsinghua University, School of Economics and Management, Beijing, China Dec 2019

- INFORMS Annual Conference, Seattle, WA Oct 2019

Price Discrimination with Fairness Constraints

- INFORMS Revenue Management & Pricing Conference Jun 2021
- MSOM Annual Conference Jun 2021
- POMS Annual Conference Apr 2021
- Tsinghua University, School of Economics and Management, Beijing, China Mar 2021
- The 4th ACM Conference on Fairness, Accountability, and Transparency (FAccT'21) Mar 2021
- INFORMS Annual Conference, virtual Nov 2020
- The 4th Workshop on Mechanism Design for Social Good (MD4SG'20) Aug 2020
- INFORMS Annual Conference, Seattle, WA Oct 2019

A Choice Modelling Framework for Service Time Windows

- INFORMS Annual Conference, Seattle, WA Oct 2019
- MSOM Annual Conference, Singapore Jul 2019
- INFORMS Revenue Management & Pricing Conference, Palo Alto, CA Jun 2019
- POMS Annual Conference, DC May 2019
- INFORMS Annual Conference, Phoenix, AZ Nov 2018

- COMPUTER SKILLS
- Scientific Computing: R, Python, Matlab.
 - Software and Tools: Gurobi, CPLEX.
 - Others: Latex, HTML, SQL.

REFERENCES

Omar Besbes

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Maxime Cohen

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McGill University
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Ningyuan Chen

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Adam Elmachtoub

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