

ACADEMIC EMPLOYMENT

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| Indiana University, Kelley School of Business Assistant Professor of Operations and Decision Technologies | Bloomington, IN 2024–Present |
| University of Chicago, Booth School of Business Postdoctoral Principal Researcher | Chicago, IL 2021–2024 |

EDUCATION

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| Georgia Institute of Technology Ph.D. in Operations Research M.S. in Statistics B.S. in Industrial and System Engineering B.S. in Discrete Mathematics | Atlanta, GA 2021 2020 2015 2015 |
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RESEARCH INTERESTS

Data-driven decision making, Operational issues in the public sector, Simulation optimization

PUBLICATIONS

Journal Publications

1. Y. Zhou, S. Andradóttir, and S.-H. Kim. (2024). “Selection of the Best in the Presence of Subjective Stochastic Constraints,” *ACM Transactions on Modeling and Computer Simulation*, forthcoming.
2. Y. Zhou, S. Andradóttir, S.-H. Kim, and C. Park. (2024). “Pruning Inferior Systems Using Subjective Constraints with Sequentially Added Thresholds,” *Sequential Analysis*, forthcoming.
3. A. Alwan, B. Ata, and Y. Zhou. (2024). “A Queueing Model of Dynamic Pricing and Dispatch Control for Ride-Hailing Systems Incorporating Travel Times,” *Queueing Systems*, **106**(1), 1–66.
4. Y. Zhou, S. Andradóttir, S.-H. Kim, and C. Park. (2022). “Finding Feasible Systems for Subjective Constraints Using Recycled Observations,” *INFORMS Journal on Computing*, **34**(6), 3080–3095.

Conference Proceedings

1. Y. Zhou, S. Andradóttir, and S.-H. Kim. (2020). “Identifying the Best System in the Presense of Stochastic Constraints with Varying Thresholds,” *2020 Winter Simulation Conference (WSC)*, Orlando, FL, USA, pp. 2812–2820.
2. T. Kim, S. Andradóttir, S.-H. Kim. and Y. Zhou (2024). “Finding Feasible Systems in the Presence of a Probability Constraint,” accepted at *2024 Winter Simulation Conference (WSC)*, Orlando, FL, USA.
3. C. Park, S. Andradóttir, S.-H. Kim. and Y. Zhou (2024). “Finding Feasible Systems for a Stochastic Constraint with Relaxed Tolerance Levels,” accepted at *2024 Winter Simulation Conference (WSC)*, Orlando, FL, USA.

PAPERS UNDER REVIEW/REVISION

1. B. Ata, R. Hester, L.W. Wein, and Y. Zhou. (2023) “Analyzing the Effects of Judicial Rotation on Criminal Sentencing: An Operations Management Perspective,” under review at *Manufacturing and Service Operations Management*.
2. B. Ata, C. Hannigan, and Y. Zhou. (2023) “An Analysis of Pretrial Detention and its Unintended Consequences,” under revision for *Manufacturing and Service Operations Management*.

WORKING PAPERS AND PROJECTS

1. “Analysis And Improvement of Eviction Enforcement,” with B. Ata.
2. “Finding a Portfolio of Best Systems for Subjective Constraints,” with S. Andradóttir and S.-H. Kim.
3. “Feasibility Determination for Subjective Probability Constraints,” with T. Kim, S. Andradóttir, and S.-H. Kim.
4. “Finding Feasible Combinations of Army Aviation Assets in the Presence of Subjective Constraints on Mean and Probability,” with T. Kim and S.-H. Kim.
5. “Indifference-Zone Relaxation Procedure for Ranking and Selection,” with S. Andradóttir, S.-H. Kim, and C. Park.

PROFESSIONAL SERVICE

- Journal reviewer for *Operations Research*, *Sequential Analysis*.
- Conference reviewer for *Winter Simulation Conference 2024*.

TEACHING EXPERIENCE

Georgia Institute of Technology

Head Teaching Assistant

ISYE 6420: Bayesian Statistics

Spring 2019 – Spring 2021

Teaching Assistant

ISYE 6225: Engineering Economy

Fall 2018

ISYE 4232: Advanced Stochastic System

Spring 2018

ISYE 6334: Operations Research for Supply Chains

Fall 2017

ISYE 3044: Simulation Analysis and Design

Summer 2017

TALKS

1. *Analysis and Improvement for Eviction Enforcement* at the 2023 INFORMS Annual Meeting, Phoenix, AZ.
2. *Finding a Portfolio of Best Systems for Subjective Constraints* at the 2022 INFORMS Annual Meeting, Indianapolis, IN.
3. *Selection Problem with Varying Constraint Thresholds* at the 2020 Winter Simulation Conference, online.
4. *Feasibility Determination with Recycled Observations* at the 2018 INFORMS Annual Meeting, Phoenix, AZ.

SKILLS

- **Programming Languages:** C++, Python, R, Matlab
- **Languages:** Chinese (native), English (fluent)

Last updated: June 4, 2024