

## EMPLOYMENT

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<b>University College London (UCL) School of Management</b> Assistant Professor of Operations and Technology	2023 – present
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## EDUCATION

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<b>UCLA Anderson School of Management</b> Ph.D. in Management (advisor: Velibor Mišić) and Postdoctoral Fellow (mentor: Felipe Caro)	2017 – 2023
<b>Stanford University</b> M.S. in Computational and Mathematical Engineering (advisor: Mykel Kochenderfer)	2014 – 2017
<b>National Taiwan University</b> B.S. in Physics	2009 – 2013

## PUBLICATIONS

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### WORKING PAPERS:

#### **“On Size Substitution and Its Role in Assortment and Inventory Planning”**

with Felipe Caro

Major revision in *Manufacturing & Service Operations Management*

#### **“Assortment Optimization Under The Decision Forest Model”**

with Velibor Mišić

Minor revision in *Manufacturing & Service Operations Management*

### REFEREED JOURNAL PAPERS:

#### **“Consider or Choose? The Role and Power of Consideration Sets”**

with Dmitry Mitrofanov

*Management Science* – forthcoming

- Finalist, Service Science Best Cluster Paper Competition, INFORMS, 2024.

#### **“Column-Randomized Linear Programs: Performance Guarantees and Applications”**

with Velibor Mišić

*Operations Research* (2025)

#### **“Decision Forest: A Nonparametric Approach to Modeling Irrational Choice”**

with Velibor Mišić

*Management Science* (2022)

- Honorable Mention, George E. Nicholson Student Paper Prize, INFORMS, 2020.
- Winner, Decision Analysis Society Student Paper Competition, INFORMS, 2019.
- 2nd Place, Revenue Management and Pricing Student Paper Competition, INFORMS, 2019.
- Finalist, Service Science Section Best Paper Competition, INFORMS, 2019.
- Spotlight Presentation, INFORMS Revenue Management and Pricing Conference, 2019.

#### **“Deep Reinforcement Learning for Event-Driven Multi-Agent Decision Processes”**

with Kunal Menda, Justin Grana, James Bono, Brendan Tracey, Mykel Kochenderfer, David Wolpert

*IEEE Transactions on Intelligent Transportation Systems* (2019)

#### **“Learning Discrete Bayesian Networks from Continuous Data”**

with Tim Wheeler, Mykel Kochenderfer

*Journal of Artificial Intelligence Research* (2017)

## REFEREED CONFERENCE PAPERS:

### **“Improving Offline Value-Function Approximation for POMDPs by Reducing Discount Factors”**

with Mykel Kochenderfer, Matthijs Spaan

*IEEE/RSJ International Conference on Intelligent Robots and Systems* (2018)

## TEACHING

### **UCL School of Management**

Decision Science, BSc in Management Science.

2026

Statistics for Business Research, MSc in Management.

2023, 2024

## AWARDS AND HONORS

Finalist, INFORMS Service Science Best Cluster Paper Award.

2024

Dreze Dissertation Award, UCLA Anderson.

2022

Dissertation Year Fellowship, UCLA.

2021

Honorable Mention, INFORMS George E. Nicholson Student Paper Prize.

2020

Winner, INFORMS Decision Analysis Student Paper Award.

2019

Second Place, INFORMS Jeff McGill Revenue Management and Pricing Student Paper Award.

2019

Finalist, INFORMS Service Science Best Cluster Paper Award.

2019

Spotlight Presentation, INFORMS Revenue Management and Pricing Conference.

2019

Ph.D. Fellowship, UCLA Anderson.

2017

Presidential Awards, National Taiwan University.

2012, 2013

Chau-Ting Chang Memorial Fellowship, Institute of Atomic and Molecular Sciences, Taiwan.

2012

## TALKS

### INVITED SEMINARS

Tilburg University (School of Economics and Management)

2025 (scheduled)

City St George's, University of London (Bayes Business School)

2025

National Chengchi University (College of Commerce)

2025

Imperial College London (Control and Optimisation Seminar)

2025

### CONFERENCES AND WORKSHOPS

Durham Early Career Scholars Workshop

2025

INFORMS Annual Meeting.

2018 – 2025

MSOM Conference.

2021, 2024, 2025

INFORMS Revenue Management and Pricing Conference.

2019, 2021, 2024

European Technology and Operations Management Day.

2024

INFORMS Optimization Conference.

2022

POMS Conference.

2019

Southern California OR/OM Day.

2019

## PROFESSIONAL ACTIVITIES

### **Peer Review and Judging Activities**

Journal reviewer, *Management Science*, *Operations Research*, *Manufacturing & Service Operations*

*Management*, *Production and Operations Management*, *Computational Management Science*, and *Naval*

*Research Logistics*.

2021 – present

Review Panelist, INFORMS Harvey J. Greenberg Research Award.

2025

Reviewer, MSOM Student Paper Competition.

2023 – 2025

### **Professional Society Roles**

Co-organizer, London Operations Research Day (LORD).

2025

Council member, INFORMS Decision Analysis Society.

2024, 2025

## LANGUAGES

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Mandarin (native), English (fluent), Turkish (beginner).