

# Yi-Chun Chen

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## EDUCATION

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### UCLA Anderson School of Management

Ph.D. in Management (Decisions, Operations and Technology Management)  
Advisor: Professor Velibor Mišić

Los Angeles, CA.

Sep. 2017 – June 2022 (expected)

### Stanford University

M.S. in Computational and Mathematical Engineering  
Advisor: Professor Mykel Kochenderfer

Stanford, CA.

Sep. 2014 – May 2017

### National Taiwan University

B.S. in Physics (Presidential Awards)

Taipei, Taiwan.

Sep. 2009 – June 2013

## PUBLICATIONS

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### Research Interests

- Consumer choice modeling, behavioral decision making, revenue management, machine learning.

### Accepted & Published Journal Papers / Peer-reviewed Conference Proceedings

1. **Decision Forest: A Nonparametric Approach to Modeling Irrational Choice** (2019),  
Yi-Chun Chen, Velibor Mišić,  
*Management Science* (Forthcoming).
  - Honorable Mention, 2020 INFORMS George Nicholson Student Paper Prize.
  - Winner, 2019 INFORMS Decision Analysis Student Paper Competition.
  - 2nd Place, 2019 INFORMS Revenue Management and Pricing Student Paper Competition.
  - Finalist, 2019 INFORMS Service Science Best Paper Competition.
  - **Spotlight Presentation**, 2019 INFORMS Revenue Management and Pricing Conference, Stanford, CA.
2. **Learning Discrete Bayesian Networks from Continuous Data** (2017),  
Yi-Chun Chen, Tim Wheeler, Mykel Kochenderfer,  
*Journal of Artificial Intelligence Research*, 59, 103-132.
3. **Deep Reinforcement Learning for Event-Driven Multi-Agent Decision Processes** (2017),  
Kunal Menda, Yi-Chun Chen, Justin Grana, James Bono, Brendan Tracey, Mykel Kochenderfer, David Wolpert,  
*IEEE Transactions on Intelligent Transportation Systems*, 20(4), 1259-1268.
4. **Improving Offline Value-Function Approximations for POMDPs by Reducing Discount Factors** (2018),  
Yi-Chun Chen, Mykel Kochenderfer, Matthijs Spaan,  
*IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*.

### Preprints

5. **Column-Randomized Linear Programs: Performance Guarantees and Applications** (2020),  
Yi-Chun Chen, Velibor Mišić  
Major revision in *Operations Research*.
6. **Assortment Optimization Under The Decision Forest Model** (2021),  
Yi-Chun Chen, Velibor Mišić  
Under review in *Operations Research*.

## TEACHING

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### Master of Business Administration

UCLA Anderson School of Management

Teaching Assistantship

- **MGMT402: Data and Decisions**
  - Instructors: Professor Velibor Mišić and Professor Rakesh Sarin (Fall 2018, Fall 2020)
- **MGMT410: Logistics and Operations Management**
  - Instructors: Professor Christopher Tang (Fall 2019)
- **MGMT240F: Global Supply Chain Management**
  - Instructors: Professor Felipe Caro (Spring 2022, scheduled)

### Master of Business Analytics

UCLA Anderson School of Management

Teaching Assistantship

- **MSA408: Operations Analytics**
  - Instructors: Professor Velibor Mišić (Spring 2020)
- **MSA434: Advanced Workshop on Machine Learning**
  - Instructors: Professor Danylo Vashchilenko (Fall 2020)
- **MSA435: Data Visualization**
  - Instructors: Professor Kristian di Gaetano (Fall 2020)
- **MSA407/413: Data Analytics Industry Seminar**
  - Instructors: Professor Felipe Caro (Winter & Spring 2022, scheduled)

### Doctoral Program in Management,

UCLA Anderson School of Management

Teaching Assistantship

- **MGMTPHD 242: Foundations of Stochastic Modeling**
  - Instructors: Professor Francisco Castro (Spring 2021)

## AWARDS AND HONORS

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<b>Dissertation Year Fellowship, UCLA.</b>	2021
<b>Honorable Mention, INFORMS George Nicholson Student Paper Prize.</b>	2020
<b>Winner, INFORMS Decision Analysis Student Paper Competition.</b>	2019
<b>Second Place, INFORMS Revenue Management and Pricing Student Paper Competition.</b>	2019
<b>Finalist, INFORMS Service Science Best Paper Competition.</b>	2019
<b>Spotlight Presentation, INFORMS Revenue Management and Pricing Conference.</b>	2019
<b>Four-year Ph.D. Fellowship, UCLA Anderson School of Management.</b>	2017
<b>Presidential Awards, National Taiwan University.</b>	2012, 2013
<b>Financial Mathematics Summer School Fellowship, Academia Sinica, Taiwan.</b>	2013
<b>Dr. Chao-Ting Chang Memorial Research Scholarship, Academia Sinica, Taiwan.</b>	2012

## PRESENTATIONS

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### “Assortment Optimization Under the Decision Forest Model”

- INFORMS Annual Conference, Anaheim, CA, Nov. 2021 (scheduled)
- MSOM Annual Conference, Online, June 2021.

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

- INFORMS Annual Conference, Online, Nov. 2020.

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

- INFORMS Annual Conference, Online, Nov. 2020.
- INFORMS Annual Conference, Seattle, WA, Oct. 2019.
- INFORMS Revenue Management and Pricing Conference, Stanford, CA, June 2019.
- SoCal OR/OM Day, Irvine, CA, May 2019.
- POMS Annual Conference, Washington D.C., May 2019.
- INFORMS Annual Conference, Phoenix, AZ, Nov. 2018.

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

- International Conference on Intelligent Robots and Systems (IROS), Madrid, Spain, Oct. 2018.

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

- Stanford ICME Xpo Research Symposium, Stanford, California, May, 2017.

## EXTRACURRICULAR ACTIVITIES

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Director, Taiwanese Student Association, Stanford University.

May 2015 – Apr. 2016

Vice President, Student Association, Department of Physics, National Taiwan University.

July 2012 – June 2013

Captain, Basketball Team, Department of Physics, National Taiwan University.

July 2012 – July 2013

– *Last updated: Aug. 1, 2021* –