

# 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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### Submitted Papers

1. **Assortment Optimization Under The Decision Forest Model** (2021),  
Yi-Chun Chen, Velibor Mišić  
Under review in *Operations Research*.
2. **Column-Randomized Linear Programs: Performance Guarantees and Applications** (2020),  
Yi-Chun Chen, Velibor Mišić  
Major revision in *Operations Research*.
3. **Decision Forest: A Nonparametric Approach to Modeling Irrational Choice** (2019),  
Yi-Chun Chen, Velibor Mišić,  
Major revision in *Management Science*.
  - Honorable Mention, 2020 INFORMS George Nicholson Student Paper Competition.
  - 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.
  - Spotlighted Presentation, 2019 INFORMS Revenue Management and Pricing Conference, Stanford, CA.

### Refereed Journal Papers

4. **Learning Discrete Bayesian Networks from Continuous Data** (2017),  
Yi-Chun Chen, Tim Wheeler, Mykel Kochenderfer,  
*Journal of Artificial Intelligence Research*, 59, 103-132.
5. **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.

### Refereed Conference Proceedings

6. **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)*.

## 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)

### 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)

## AWARDS AND HONORS

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

## PRESENTATIONS

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### “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.

## 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