

# Yi-Chun Chen

## Present Address

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## Education

**University of California, Los Angeles (UCLA)**, California.

*PhD in Management (Decisions, Operations and Technology Management)*

9/2017 - present.

**Stanford University**, California.

*MS in Computational and Mathematical Engineering*

9/2014 - 4/2017.

**National Taiwan University**, Taiwan.

*BS in Physics*

9/2009 - 6/2013, with Presidential Awards (2012,2013).

## Publications

### *Submitted articles*

1. “Column-Randomized Linear Programs: Performance Guarantees and Applications” (2020), **Yi-Chun Chen**, Velibor Mišić, under review in *Operations Research*.
2. “Decision Forest: A Nonparametric Approach to Modeling Irrational Choice” (2019), **Yi-Chun Chen**, Velibor Mišić, under major revision in *Management Science*.
  - Finalist, 2020 INFORMS George Nicholson Student Paper Competition (winners will be announced in 2020 Annual Meeting).
  - 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 Articles*

3. “Learning Discrete Bayesian Networks from Continuous Data” (2017), **Yi-Chun Chen**, Tim A. Wheeler, Mykel J. Kochenderfer, *Journal of Artificial Intelligence Research*, 59, 103-132.
4. “Deep Reinforcement Learning for Event-Driven Multi-Agent Decision Processes” (2017), Kunal Menda, **Yi-Chun Chen**, Justin Grana, James W. Bono, Brendan D. Tracey, Mykel J. Kochenderfer, David Wolpert *IEEE Transactions on Intelligent Transportation Systems*, 20(4), 1259-1268.

### *Refereed Conference Proceedings*

5. “Improving Offline Value-Function Approximations for POMDPs by Reducing Discount Factors” (2018), **Yi-Chun Chen**, Mykel J Kochenderfer, Matthijs TJ Spaan, *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*.

## Teaching

### *Teaching Assistantships*

#### **MBA, UCLA Anderson School of Management.**

1. MGMT402: Data and Decisions.
  - Instructors: Professor Velibor Mišić and Professor Rakesh Sarin (Fall 2018, Fall 2020).
2. MGMT410: Logistics and Operations Management.
  - Instructor: Professor Christopher Tang (Fall 2019).

#### **Master of Business Analytics, UCLA Anderson School of Management.**

3. MSA408: Operations Analytics.
  - Instructor: Professor Velibor Mišić (Spring 2020).
4. MSA434: Advanced Workshop on Machine Learning
  - Instructor: Professor Danylo Vashchilenko (Fall 2020).
5. MSA435: Data Visualization
  - Instructor: Professor Kristian di Gaetano (Fall 2020).

## Presentations

1. “Column-Randomized Linear Programs: Performance Guarantees and Applications”.
  - INFORMS Annual Conference, Online, 11/2020 (scheduled).
2. “Decision Forest: A Nonparametric Approach to Modeling Irrational Choice”.
  - INFORMS Annual Conference, Online, 11/2020 (scheduled).
  - INFORMS Annual Conference, Seattle, WA, 10/2019.
  - INFORMS Revenue Management and Pricing Conference, Stanford, CA, 06/2019.
  - SoCal OR/OM Day, Irvine, CA, 05/2019.
  - POMS Annual Conference, Washington D.C., 5/2019.
  - INFORMS Annual Conference, Phoenix, AZ, 11/2018.

## Extracurricular Activities

1. Director, Taiwanese Student Association, Stanford University. 5/2015 - 4/2016
2. Vice President, Student Association, Dept. of Physics, NTU. 7/2012 - 7/2013
3. Captain, Basketball Team, Dept. of Physics, NTU. 7/2012 - 7/2013

## Programming Languages

Julia, Python, Matlab, R.