# AUYON A. SIDDIQ

UCLA Anderson School of Management
110 Westwood Plaza, Los Angeles, California, 90095
B-511, Leon and Toby Gold Hall
auyon.siddiq@anderson.ucla.edu
auyonsiddiq.com

## APPOINTMENTS

**UCLA Anderson School of Management**                              2018 –
Assistant Professor of Decisions, Operations & Technology Management

## EDUCATION

**University of California, Berkeley**
PhD, Operations Research (Minors in Statistics and Computer Science)     2013 – 2018
MS, Operations Research                                                   2013 – 2014

**University of Toronto**                                                 2011 – 2013
MASc, Industrial Engineering

**Dalhousie University**                                                  2006 – 2011
BEng, Electrical Engineering

## RESEARCH

*Disintermediation in Online Platforms: Price and Reputation Effects.*
with Shreyas Sekar.
In preparation.

*Planning Bike Lanes with Data: Ridership, Congestion, and Path Selection.*
with Sheng Liu and Jingwei Zhang.
Major revision, **Management Science**.
- First Place, POMS College of Sustainable Operations Student Paper Competition, 2022 (Zhang).
- Selected for MSOM Sustainable Operations SIG Day, 2022.

*Discovering Causal Models with Optimization: Confounders, Cycles, and Feature Selection.*
with Frederick Eberhardt and Nur Kaynar.
Major revision, **Management Science**.

*Estimating Effects of Incentive Contracts in Online Labor Platforms.*
with Nur Kaynar.
**Management Science** (Forthcoming).

*Shield-Net: Matching Supply with Demand for Face Shields During the COVID-19 Pandemic.*
with Rebecca Alcock and Justin Boutilier.
**INFORMS Journal on Applied Analytics** (Forthcoming).

- Finalist, Doing Good with Good OR Student Paper Competition, 2021 (Alcock).

*Ride-hailing Platforms: Competition and Autonomous Vehicles.*
with Terry Taylor.
**M&SOM** (2022), Vol. 24, No. 3: 1511–1528.

*Partnerships in Urban Mobility: Incentive Mechanisms for Improving Public Transit Adoption.*
with Christopher S. Tang and Jingwei Zhang.
**M&SOM** (2022), Vol. 24, No. 2: 956–971.

*Data-Driven Incentive Design in the Medicare Shared Savings Program.*
with Anil Aswani and Zuo-Jun (Max) Shen.
**Operations Research** (2019), Vol. 67, No. 4: 1002–1026.
- Second Place, INFORMS Health Application Society Pierskalla Best Paper Award, 2016.

*Inverse Optimization with Noisy Data.*
with Anil Aswani and Zuo-Jun (Max) Shen.
**Operations Research** (2018), Vol. 66, No. 3: 870–892.
- Berkeley IEOR Katta G. Murty Prize, 2016.

*Robust Defibrillator Deployment Under Cardiac Arrest Location Uncertainty
via Row-and-Column Generation.*
with Timothy C. Y. Chan and Zuo-Jun (Max) Shen.
**Operations Research** (2018), Vol. 66, No. 2: 358–379.
- Second Place, INFORMS Health Applications Society Student Paper Competition, 2017.
- First Place, Canadian Operational Research Society Student Paper Competition, 2014.

*Modeling the Impact of Public Access Defibrillator Range on Cardiac Arrest Coverage.*
with Steven C. Brooks and Timothy C. Y. Chan.
**Resuscitation** (2013), Vol. 84, No. 7: 904–909.


## TEACHING

*Data and Decisions (MGMTFT 402).*          Fall 2018 –
Full-Time MBA, Anderson School of Management, UCLA.

*Optimization (MGMTMSA 403).*          Fall 2019 –
Master of Science in Business Analytics, Anderson School of Management, UCLA.


## PH.D. STUDENTS

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|---|---|
| Nur Kaynar (Placement: Assistant Professor, Cornell University) | 2022 |
| Jingwei Zhang | 2023 (expected) |


## AWARDS

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|---|---|
| Eric and E Juline Faculty Excellence in Research Award | 2022 |
| M&SOM Meritorious Service Award | 2020 |

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| Poets&Quants Best 40-Under-40 Business School Professors | 2020 |
| Berkeley Haas EMBA Outstanding Graduate Student Instructor Award (x2) | 2016, 2018 |
| NSERC Postgraduate Scholarship – Doctoral | 2014 – 2017 |
| UC Berkeley Teaching Effectiveness Award | 2015 |
| Berkeley IEOR Outstanding Graduate Student Instructor Award | 2015 |
| NSERC Postgraduate Scholarship – Masters | 2012 |
| NSERC Undergraduate Student Research Award (x3) | 2007, 2008, 2010 |
| Canadian National Millennium Scholarship | 2006 – 2010 |
| Dalhousie University Chancellor's Scholarship | 2006 – 2009 |

## GRANTS

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| UCLA Society of Hellman Fellows Award | 2022 – 2023 |
| UCLA Easton Center Faculty Research Award | 2022 – 2023 |
| Co-Principal Investigator, National Science Foundation (RAPID), $100,000 | 2020 – 2021 |

## TALKS

Haas School of Business, UC Berkeley, August 2022
Rotman School of Management, University of Toronto, April 2022
Tuck School of Business, Dartmouth College, October 2021
Data Science Lab, MIT, June 2020
INFORMS Annual Meeting, Seattle, WA, 2019
University of Toronto, 2019
Southern California OR/OM Day, UC Irvine, 2019
INFORMS Annual Meeting, Phoenix, AZ, 2018
INFORMS Annual Meeting, Houston, TX, 2017
INFORMS Annual Meeting, Nashville, TN, 2016
INFORMS International, Hawaii, 2016
INFORMS Optimization Society, Princeton, NJ, 2015
INFORMS Annual Meeting, Philadelphia, PA, 2015
Canadian Operational Research Society Annual Meeting, Ottawa, Canada, 2014
INFORMS Annual Meeting, Minneapolis, MN, 2013

## SERVICE

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| Co-Chair, Optimization and Analytics Cluster, CORS / INFORMS International | 2022 |
| Co-Chair, Healthcare Analytics Track, POMS Annual Conference | 2019 |
| Reviewer, *INFORMS Journal on Optimization, Management Science, Manufacturing &* | |
| *Service Operations Management, Mathematical Programming, Naval Research* | |
| *Logistics, Operations Research, Production and Operations Management* | 2016– |

## INDUSTRY

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| ExxonMobil, Calgary, Canada | 2009 – 2011 |
| Four internships across research and engineering divisions. | |