

**Mailing Address:**

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**Website:**

<http://khaichiong.com>

**Birthdate:**

December 4, 1988  
(Kuala Lumpur, Malaysia)

## Employment

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July 2017 – Present UNIVERSITY OF TEXAS AT DALLAS  
Naveen Jindal School of Management (Marketing Area)  
Assistant Professor

2015 – 2017 UNIVERSITY OF SOUTHERN CALIFORNIA  
Institute for New Economic Thinking (INET) and Department of  
Economics  
Postdoctoral Research Fellow

## Education

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2010-2015 CALIFORNIA INSTITUTE OF TECHNOLOGY  
Ph.D. Social Science (Economics)

2007-2010 UNIVERSITY OF CAMBRIDGE, UK  
B.A. Economics  
(Part IA Tripos in Mathematics)

## Fields of Research Interest

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Econometrics, Empirical IO, Quantitative Marketing, Machine Learning

## Publications

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1. “Random Projection Estimation of Discrete-Choice Models with Large Choice Sets”  
Khai Chiong and Matt Shum  
**Management Science**, Vol. 65, No. 1, January 2019, pp. 256–271
2. “Estimation of Graphical Models using the  $L_{1,2}$  Norm”  
Khai Chiong and Roger Moon  
**Econometrics Journal**, Volume 21, Issue 3, pages 247-263, October 2018
3. “Duality in Dynamic Discrete Choice Models”  
Khai Chiong, Alfred Galichon, Matt Shum  
**Quantitative Economics**, Volume 7, Issue 1, pages 83–115, March 2016

4. “Estimation of High-Dimensional Seemingly Unrelated Regression Models”  
Lidan Tan, Khai Chiong, Roger Moon  
**Econometric Reviews**, Volume 40, Issue 9, pages 830-851, August 2021

## Book Chapter

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1. “Counterfactual Estimation in Semiparametric Discrete Choice Models”  
Khai Chiong, Yuwei Hsieh and Matthew Shum  
**Handbook of Research Methods and Applications in Empirical Microeconomics**,  
Edward Elgar Publishers, 2021

## Working Papers

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1. “Combining Choices and Response Times in the Field: a Drift-diffusion Model of Mobile Advertisements” (with Matt Shum, Ryan Webb and Richard Chen)  
Minor Revision at **Management Science**
2. “AI and AI-human based Screening and Selection for Salesperson Hiring using Interview Videos” (with Ishita Chakraborty, Howard Dover and K. Sudhir)
3. “An Empirical Investigation of Incentivized Advertising in Mobile Apps” (with Richard Chen and Sha Yang)
4. “An Empirical Model of Mobile Advertising Platforms” (with Richard Chen)
5. “On the Consistency of Network Data with Pairwise Stability”
6. “Robustness in Network Formation Games”

## Awards

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NEC Foundation Research Grant, 2018-2020

Amount: \$37,500

Principal investigator

Excellence in Teaching Award (Caltech, 2014)

(Awarded by: Associated Students of California Institute of Technology (ASCIT))

John O. Ledyard Prize for Best Third Year Paper (Caltech, 2013)

(Awarded by: Division of the Humanities and Social Sciences)

NET Institute Summer Research Grant (NYU, 2013)

Cambridge Commonwealth Trust Scholarship (Cambridge, 2007-2010)

## Professional Activities

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### Invited Seminars:

**2019:** Ohio State University (Econometrics)

**2017:** University of British Columbia, Federal Communications Commission (FCC),  
Asian Meeting of the Econometric Society

**2016:** UCLA, University of Florida, University of Texas at Dallas

**2015:** Northwestern University, UIUC, Carnegie Mellon University

**2013:** Recent Advances in Set Identification (Toulouse), Asian Meeting of the  
Econometric Society (NUS)

**2012:** Social and Information Sciences Laboratory (Caltech)

**Refereeing:** Journal of Econometrics, Journal of Business & Economic Statistics,  
Journal of Economic Theory, Journal of Mathematical Economics, Management Science,  
Marketing Science

## Teaching

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### Courses:

#### Principles of Marketing

- 2018 Spring, MKT 3300.9. Eval: 4.94/5
- 2018 Spring, MKT 3300.10. Eval: 4.71/5
- 2019 Spring, MKT 3300.10. Eval: 4.88/5
- 2020 Spring, MKT 3300.08. Eval: 4.81/5
- 2020 Spring, MKT 3300.09. Eval: 4.77/5
- 2021 Spring, MKT 3300.08. Eval: 4.88/5
- 2021 Spring, MKT 3300.09. Eval: 4.61/5

#### Advanced Statistics and Probability

- 2018 Fall, MECO 7312. Eval: 4.86/5
- 2019 Fall, MECO 7312. Eval: 4.90/5
- 2020 Fall, MECO 7312. Eval: 4.91/5
- 2021 Fall, MECO 7312. Eval: 4.78/5

### Doctoral students (dissertation committee):

1.) Boram Lim

*First placement:* Assistant Professor, University of Kansas, School of Business

2.) Sriharsha Kamatham

*First placement:* Assistant Professor, Asper School of Business, University of Manitoba

3.) Ashutosh Bhave

*First placement:* Assistant Professor, Sam Walton College of Business,  
University of Arkansas

### **Miscellaneous**

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Languages: English, Cantonese, Mandarin, Malay

Programming: Python (TensorFlow, Pytorch), Julia, R, SQL, Matlab, Stata

Committee: Secretary of the Archimedean (Cambridge University Mathematics Society)  
2008/2009