

Hongfan (Kevin) Chen

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EDUCATION	University of Chicago Booth School of Business, Chicago, IL, <i>Doctor of Philosophy: Operations Management</i> <i>Minor: Economics</i>	June 2020
	Georgia Institute of Technology, Atlanta, GA, <i>Bachelor of Science: Applied Mathematics</i> <i>Bachelor of Science: Industrial Engineering</i>	May 2014
RESEARCH INTEREST	Revenue Management, Platform Economy, Optimization under Uncertainty	
PAPERS	“Optimal Commissions and Subscriptions in Networked Markets,” with J. Birge, O. Candogan and D. Saban	
	<ul style="list-style-type: none">• <i>Forthcoming at Manufacturing & Service Operations Management, 2019</i>• <i>Preliminary version in the proceedings of the 19th ACM Conference on Economics and Computation (EC '18), 2018</i>• Job market paper	
	“Markdown Policies for Demand Learning and Strategic Customer Behavior,” with J. Birge and N. Keskin.	
	<ul style="list-style-type: none">• <i>Under review at Operations Research, 2019 .</i>	
WORK IN PROGRESS	“To Interfere or Not To Interfere: Information Revelation and Price-Setting Incentives in a Multiagent Learning Environment,” with J. Birge, N. Keskin and A. Ward.	
CONFERENCE TALKS	“Optimal Commissions and Subscriptions in Networked Markets,” INFORMS 2019	
	“Markdown Policies for Demand Learning and Strategic Customer Behavior,” INFORMS 2019	
	“To Interfere or Not To Interfere: Information Revelation and Price-Setting Incentives in a Multiagent Learning Environment,” INFORMS 2019	
PROFESSIONAL EXPERIENCE	<i>Data Scientist Intern</i> Airbnb, San Francisco, CA	Summer 2019
	<ul style="list-style-type: none">• Developed models to measure supply constraint in personalized searches• Estimated the impact of ranking positions on customer searches and made recommendations to page design experiments	
	<i>Research Scientist Intern</i> Amazon, Seattle, WA	Summer 2018
	<ul style="list-style-type: none">• Developed causal models to capture customer behavior• Evaluated the impact of the Prime membership price change• Developed statistical packages for the software development team in model implementation	

Supply Chain Analyst Intern Summer 2014
Cox Enterprises, Atlanta, GA

- Constructed regression models to estimate future prices of vehicles, developed Excel Macro decision making tool to facilitate life cycle management
- Developed supplier performance metrics to evaluate the strategic positions of suppliers

Supply Chain Engineer Intern Summer 2013
Hewlett-Packard, Alpharetta, GA

- Participated in business reporting framework design with HANA database
- Developed mobile application using JQuery framework to facilitate business reporting process

Software Engineer Co-op Fall 2011, Summer 2012, Spring 2013
ABB, Atlanta, GA

- Contributed to optimization model design in gas portfolio management solution
- Redesigned algorithm to improve Monte Carlo simulation performance
- Developed quality assurance tools to automate daily testing work

Senior Design Student Consultant Fall 2012
Interface, Westpoint, GA

- Designed and built simulation to locate and alleviate the manufacturing bottleneck
- Recapitalized investment and saved operational cost by over \$2,000,000 annually
- Researched and built heuristics to reduce production span by 5%
- Constructed scheduling tool in VB.NET to facilitate clients scheduling process

TEACHING EXPERIENCE

Teaching Assistant 2016- 2019
University of Chicago Booth School of Business, Chicago, IL

- BUSE 40000: Fundamentals of Operations Management
- BUSE 40110: Service Operations
- BUSE 40721: Healthcare Analytics Lab
- BUSE 40108: Revenue Management
- BUSE 36601: Managerial Decision Modeling
- BUSE 39001: Strategy and Structure: Markets and Organizations

Teaching Assistant 2013 - 2014
Georgia Institute of Technology, Atlanta, GA

- Math 1503 Calculus III
- Math 2403 Differential Equations
- Earned an average Instructor/TA rating of 4.73/5.00

COMPUTER SKILLS

Languages & Software: C/C++, Java, C#, Visual Basic, Python, Julia, Matlab, R, Stata

COMMUNITY SERVICE

Circle K at Georgia Tech Chapter Oct.2009-Dec.2011

- Arranged projects for club members and facilitated communication with other organizations. Participated in weekly community service project: Atlanta Food Bank, Open Hand, Boys & Girls Club of America and Trees Atlanta

**HONORS &
AWARDS**

<i>Katherine Dusak Miller PhD Fellowship</i> , Chicago Booth	2017
<i>Joseph A. and Susan E. Pichler PhD Fellowship</i> , Chicago Booth	2015
<i>INFORMS Undergraduate Best Paper Award</i> , INFORMS	2014
<i>Outstanding Undergraduate Research Award</i> , Georgia Tech	2014
<i>Alpha Pi Mu Academic Excellence Award</i> , Georgia Tech	2014
<i>Presidents Undergraduate Research Award</i> , Georgia Tech	2013- 2014
<i>First Place in Industrial Engineering Senior Design Competition</i> , Georgia Tech	2012
<i>IIE Academic Award Finalists</i> , Georgia Tech IIE Chapter	2013

HOBBIES

Jogging, Reading, Cooking