Parshan Pakiman

College of Business Administration   ●   University of Illinois at Chicago

Homepage: www.parshan.com   ●   Email: ppakim2@uic.edu   ●   Last update: July 17, 2019

EDUCATION

University of Illinois at Chicago (UIC), Chicago, IL   Spring 2017-Present

Ph.D. in:	Information and Decision Sciences
Areas of research:	Operations Research and Machine Learning with applications in Operations and Marketing
Co-advisors:	Prof. Selva Nadarajah and Prof. Negar Soheili

University of Illinois at Chicago (UIC), Chicago, IL   Spring 2017-Present

M.Sc. in:	Business Analytics

University of Tehran (UT), Tehran, Iran   Fall 2012 - Fall 2016

B.Sc. in:	Applied Mathematics

RESEARCH INTERESTS

- Solving sequential decision making problems by combining techniques from approximate dynamic programming, randomized and high-dimensional sampling, and optimization.

- Developing algorithms for online retailing and warehousing problems using data-driven optimization, robust optimization, and inverse reinforcement learning methods.

RESEARCH PAPERS

KDD   SMOILE: A Shopper Marketing Optimization and Inverse Learning Engine. Joint work with Abhilash Reddy Chenreddy, Selvaprabu Nadarajah, Ranganathan Chandrasekaran, and Rick Abens. In The 25th ACM SIGKDD Conference on Knowledge Discovery and Data Mining.   Summer- 2019

Self-guided Approximate Linear Programs. Joint work with Selvaprabu Nadarajah, Negar Soheili, and Qihang Lin (draft available upon request).   Present

Box-suite Optimization for Online Retailers. Joint work with Selvaprabu Nadarajah and Yun Fong Lim (work in progress).   Present

AWARDS AND HONORS

Doctoral scholarship:	Department of Information and Decision Sciences, University of Illinois at Chicago	Spring 2017-Present
CBA fellowship:	Department of Information and Decision Sciences, University of Illinois at Chicago	Spring 2017-Present
Top student award:	Department of Mathematics, Statistics and Computer Science, University of Tehran	Fall 2016
Technical qualification:	RoboCup Iran open, soccer 2D simulation league.	Fall 2016
Technical qualification:	Khwarizmi international award, soccer 2D simulation league.	Fall 2010

TECHNICAL SKILLS

Programming language:	Python, C++, C, R, Java
Optimization solver:	GUROBI, AMPL, GAMS
Machine learning library:	TensorFlow, Scikit-Learn
Software:	Matlab, Microsoft/Libre office
Operating systems:	Linux, MacOS, Windows

INVITED TALKS

- **Self-guided Approximate Linear Programs**

POMS 30th Annual Conference, Washington D.C.	Spring 2019
INFORMS Annual Meeting, Phoenix, AZ.	Fall 2018
POMS 29th Annual Conference, Houston, TX.	Spring 2018

- **SMOILE: A Shopper Marketing Optimization and Inverse Learning Engine**

    The 25th ACM SIGKDD Conference on Knowledge Discovery and Data Mining, Anchorage, AK.   Summer 2019

SERVICE

Reviewer

Computers & Operations Research	Spring 2019
Information Systems and Operational Research	Fall 2018
Electronic Commerce Research	Spring 2018

TEACHING EXPERIENCE

Guest lecture for statistical models and methods for business analytics   Spring 2019

Topic: Applications of regression, classification and likelihood maximization
Slides: https://chicagodatascience.github.io/s19/575/

Teaching Assistant, University of Illinois at Chicago   Spring 2017-Present

Introduction to operations management (IDS 532)
Statistical models and methods for business analytics (IDS 575)
Data science for online customer analytics (IDS 594)
Business data mining (IDS 472)
Business forecasting (IDS 476)

Teaching Assistant, University of Tehran   2014-2016

Numerical linear algebra
Introduction to numerical analysis and scientific computing