Runshan Fu

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EDUCATION	**Carnegie Mellon University, Pittsburgh, USA**	**2015 – present**

Ph.D., Information Systems and Management
Advisors: Kannan Srinivasan, Param Vir Singh, Yan Huang, Nitin Mehta

	Shanghai University of Finance and Economics, Shanghai, China	**2011 – 2015**

Bachelor of Management, Information Management and Information Systems

	University College London, London, UK	**2013 – 2014**

Visiting Student, Management Science and Innovation

RESEARCH INTEREST

Topics: Algorithmic Bias, Economics of AI, Fair Machine Learning, Fintech
Methodologies: Structural Modeling, Analytical Modeling, Machine Learning

PUBLICATION

- **"Un"Fair Machine Learning Algorithms** [SSRN]
  Runshan Fu, Manmohan Aseri, Param Vir Singh, Kannan Srinivasan
  Management Science, forthcoming

- **Crowds, Lending, Machine, and Bias** [SSRN]
  Runshan Fu, Yan Huang, Param Vir Singh
  Information Systems Research, forthcoming

- **AI and Algorithmic Bias: Source, Detection, Mitigation and Implications** [SSRN]
  Runshan Fu, Yan Huang, Param Vir Singh
  INFORMS Tutorials in Operations Research, forthcoming.

WORKING PAPERS

- **When Algorithms Promote Inequality: A Structural Analysis of the Impact of Zillow's Zestimate on Housing Market**
  with Yan Huang, Nitin Mehta, Param Vir Singh, Kannan Srinivasan

- **Model Mis-specification and Algorithmic Bias** [arXiv]
  with Yangfan Liang and Peter Zhang

CONFERENCE PRESENTATIONS

"Un"Fair Machine Learning Algorithms
- INFORMS Annual Meeting 2019
- INFORMS Marketing Science Conference 2019
- Thirteenth Annual FTC Microeconomics Conference 2020

Crowd Bias and Machine Learning: Evidence from Crowd Lending
- INFORMS Marketing Science Conference 2019
- Workshop on Information Systems and Economics 2018
- INFORMS Annual Meeting 2018

When Algorithms Promote Inequality
- CMU Symposium on AI and Social Good 2020
- INFORMS Marketing Science Conference 2020

TEACHING   **Teaching Assistant**
- Decision Analytics for Business and Policy (by Peter Zhang)   Spring 2020
- Digital Transformation (by Michael Smith)   Fall 2019, 2020
- Machine Learning for Problem Solving (by Leman Akoglu)   Spring 2017, 2018
- Business Intelligence & Data Mining (by Beibei Li)   Spring & Fall 2018
- Unstructured Data Analytics for Policy (by George Chen)   Spring 2018
- Unstructured Data Analytics (by George Chen)   Fall 2017
- Economic Analysis (by Karen Clay)   Fall 2017
- Economic Analysis (by Alessandro Acquisti)   Fall 2017
- Statistical Theory for Social and Policy Sciences (by Amelia Haviland)   Fall 2016

SERVICE   Ad-hoc reviewer for: Mangement Science, Information Systems Research, Production and Operations Management, Conference on Information Systems and Technology (CIST), International Conference in Information Systems (ICIS).

SKILLS   Python, Ruby, Matlab, SQL, MongoDB

REFERENCES   **Kannan Srinivasan**
H.J. Heinz II Professor of Management, Marketing and Business Technologies
Tepper School of Business
Carnegie Mellon University
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