

Zhaoqi Cheng | zhao-qi.com / zhaoqi@cmu.edu

education

- 2018 – 2023 **Caregie Mellon University.**
Ph.D. in Business Technologies. Advised by Dokyun Lee
- 2017 – 2018 **Caregie Mellon University.**
M.S. in Civil Engineering. Advised by Sean Qian
- 2012 – 2016 **Tsinghua University.**
B. Eng., B. Econ. (dual degree). Advised by Fulin Wang

research

Fields of Interest.

Generative Models for Product Design, Economics of Unstructured Data, Patent Analytics, Consequences of AI on Consumers and Markets

- 2020+ **Can AI Innovate? A Generative Analysis on Patents.**
Zhaoqi Cheng, Dokyun Lee, Prasanna Tambe
- 2019+ **Can AI Lie? An Ethics Study for Conversational AI.**
Tae Wan Kim, Joy Lu, John Hooker, Zhaoqi Cheng, Yanhan Tang
An ongoing interdisciplinary work
- 2019+ **Cyberbully in Online Plafroms.**
Zhaoqi Cheng, Dokyun Lee, Tridas Mukhopadhyay.
Presented at DMDA & Data Science workshops, INFORMS 2019
- 2018+ **FCM: Interpretable Deep Learning for Text Exploration.**
Dokyun Lee, Emaad Manzoor, Zhaoqi Cheng.
Under review at Marketing Science (third round)

teaching

- Spring 2020 **45-830: Marketing Research.**
TA for MBA students. Instructor: Jeff Galak
- Spring 2020, **45-881 / 46-884: Modern Data Management.**
Summer 2020 TA for MBA / MSBA students. Instructor: Yan Huang
- Fall 2020 **73-374: Econometrics II.**
TA for undergradate students. Instructor: David Childers
- Fall 2020 **45-884: Mining Unstrctured Data.**
TA for MBA students. Instructor: Dokyun Lee

service

- 2019, 2020 **Conference Reviewer.**
Conference on Information Systems and Technology

grants

- 2020 Google Cloud Platform credits for research (Co-PI, \$5,000)
- 2019 CMU GSA/Provost Conference Funding (Group member, \$1,500)
- 2018 Marketing Science Institute Research Grant (Co-PI, \$10,000)

coursework

Economics, Marketing, Information Systems.

- Microeconomics, with Bertan Turhan
- Game Theory, with Onur Kesten
- Analytical Models in Marketing, with Kannan Srinivasan
- Analytical Models in Information Systems, with Manmohan Aseri
- Structural Models and Quantitative Methods, with Hui Li
- Dynamic and Structural Models, with Param Vir Singh
- Econometrics, with Dokyun Lee and Zachery Lipton

Statistics, Machine Learning Theory.

- Econometrics I, with David Childers
- Econometrics II, with Robert Miller
- Intermediate Statistics, with Siva Balakrishnan
- Convex Optimization, with Ryan Tibshirani
- Causal Discovery, with Peter Spirtes and Kun Zhang
- Advanced Machine Learning Theory and Methods, with Pradeep Ravikumar

Data Mining.

- Introduction to Machine Learning, with Ziv Bar-Joseph and Eric Xing
- Probabilistic Graphical Model, with Eric Xing
- Deep Reinforcement learning, with Katerina Fragkiadaki and Tom Mitchell
- Scalability in Machine Learning, with Barnabas Poczos
- Computer Vision, with Kris Kitani

work

- 2020 **Wharton School, UPenn, Philadelphia**, Research Assistant.
Generative model for patent analytics. Advised by David Hsu and Prasanna Tambe
- 2016 **Uber Technologies, Beijing**, Operation Assistant.
Internship on marketing research. Advised by Nicole Yin
- 2016 **DiDi, Beijing**, Operation Assistant.
Data analysis on driver performances. Advised by Shouheng Yang
- 2015 **Électricité de France, Beijing**, R&D Intern.
Research on urban energy consulting. Advised by Jingbo Guo

misc.

Languages.

English (fluent), Mandarin Chinese (native), Python (computing)