

Shengli Hu

CONTACT INFORMATION

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SELECTED PUBLICATIONS AND CONFERENCES

Shengli Hu. “Detecting Concealed Information in Text and Speech”. 2019. In Proceedings of *Association of Computational Linguistics (ACL 2019)* [Best Paper Award Nominee: 32/2905]

Shengli Hu. “Somm, Into the Model”. 2018. In Proceedings of *Empirical Methods in Natural Language Processing (EMNLP 2018)*. [Question Answering, Siamese Neural Networks]

Shengli Hu, and Ali Borji. “Understanding Perceptual and Conceptual Fluency at a Large Scale”. 2018. In Proceedings of *European Conference on Computer Vision (ECCV 2018)*. [Image Processing, Convolutional Neural Networks, Cognition & Perception, Information Theory]

Shawn Mankad, **Shengli Hu**, and Anandasivam Gopal. “Single Stage Prediction with Embedded Topic Modeling of Online Reviews for Mobile App Management”. 2017. *Annals of Applied Statistics*. [Non-negative Matrix Factorization, Optimization]

Shengli Hu. “Understanding Visual and Conceptual Fluency at a Large Scale”. 2017. *International Conference of Computer Vision (ICCV 2017), Mutual Benefits of Cognitive and Computer Vision (MBC) Workshop*. [Convolutional Neural Networks, Visualization]

Shengli Hu. “Never Tell Me the Odds: How Belief Dynamics Shape Audience Experience in Sports”. *Spotlight talk at the Association for Computational Linguistics (ACL 2017) Workshop on Natural Language Processing and Computational Social Science (NLP+CSS)*. [Functional Data Analysis, Behavioral Economics, Vector Autoregression]

Shengli Hu. “Information Design and Audience Experience”. 2017. *Marketing Science Conference*. [Word Embeddings, Support Vector Machines, Bayesian Updating, Behavioral Economics]

Shengli Hu. “Dynamics of Ideation in Crowdsourcing Platforms”. 2013. *The Institute for Operations Research and the Management Sciences (INFORMS) Annual Conference*. [Game/Contract Theory, Signaling]

Shengli Hu, and Weixin Shang. 2012. “Managing Green Supply: Carbon Labeling Implications in Supply Chains”. *INFORMS International Conference*. [Game/Contract Theory, Signaling]

SELECTED WORK IN PROGRESS AND UNDER SUBMISSION

Shengli Hu. Acoustic-Prosodic Indicators of Concealed Information in Text and Speech

Shengli Hu. Linguistic Indicators of Concealed Information in Text and Speech

Shengli Hu. A Trip Down Memory Lane: Identifying and 3D Reconstructing Memorable Experiences in the Wild [3D Reconstruction, Image Similarity, Parallel Search]

[Book] Somm: Into the Model — When Sommelier Meets Data Science

EDUCATION

Cornell University, Ithaca, New York

Ph.D., Information Management, Johnson School of Management, 2019

- Dissertation: “Information Design with Big Data”

M.S. Information Management, 2018

University of Southern California, Los Angeles, California

Coursework in Economics and Operations, Dept of Economics, 2014

Fudan University, Shanghai, China

B.S., Management Science, School of Management¹, 2012

WORK
EXPERIENCE

Dataminr, New York City, New York

Research Scientist, 2019 -

SOFTWARES,
LANGUAGES AND
PLATFORMS

Fluent: Python (Tensorflow, keras, nltk, opencv, etc.) & R, bash, L^AT_EX, AWS EC2, SQL, English, Mandarin; Classroom Study: Julia, C/C++, Octave, Stata, Italian, German, Spanish, French, High Valyrian.

PROFESSIONAL
EXPERIENCE

Citibank (Operations Intern) HSBC (New Product Development Intern)
GE Capital (Marketing Intern)

TEACHING
EXPERIENCE

Introduction to Programming in R and SQL (TA; Spring 2016, 2017); Advanced Data Analytics Applications and Methods (TA; Spring 2016, 2017); International Marketing (TA; Spring 2016)

SCHOLARSHIPS

Renmin Scholarship, 2009-2012; Honor Thesis, Fudan University, 2012
Sage Fellowship, Cornell University, 2014-2018
Conference Grants, Graduate School, 2015-2018; Travel Award, EMNLP(2018), ACL(2019)

ACADEMIC
EXPERIENCE AND
SERVICE

Researcher at the Lab for Experimental Economics & Decision Research (LEEDR), 2015

- Sourcing Network Formation via Stable Matching: Theory and Experiments

Research Assistant at the Los Angeles Behavioral Economics Laboratory (LABEL), 2014

- Time preference and preference of time; Shaming strategies to deter online piracy; Neuroeconomic foundations of Weak Axiom of Revealed Preferences

PHD COURSEWORK

Advanced Artificial Intelligence
Networks, Crowds and Markets (Audit)
Advanced Topics in Econometrics II
NLP and Social Interaction
Economics and Politics
Dynamic Optimization
Seminar in Cognitive Science
Seminar in Artificial Intelligence
Empirical Industrial Organization (Audit)
Theory of Linear Models
Optimization Over Time
Experimental Economics
Econometric Methods
Microeconomic Theory I: Consumer Theory
Practice of Econometrics
Current Research in OM II: Revenue Management
Inventory and Supply Chain Theory

Advanced Computer Vision
Advanced Machine Learning
Empirical Strategies for Policy Analysis II
Functional Data Analysis
Econometrics for Network Analysis
Bayesian Statistics in Marketing
Seminar in Computer Graphics
Quant Marketing Seminar
Computationally Intensive Methods
Text Mining History and Literature (Audit)
Semi/Non-parametric Econometrics (Audit)
Marketing Strategy and Mix Models
Probability and Statistics for Economists
Microeconomic Theory II: Contract Theory
Current Research in OM I: Stochastic Models
Elements of Stochastic Processes
Cognition and Learning (Audit)

¹The highest ranked business school in mainland China based on research as of 2018