

Shengli Hu

CONTACT INFORMATION

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SELECTED PUBLICATIONS AND CONFERENCES

Shengli Hu. 2021. “Unsupervised Style Transfer for Artisan Cartography”. Submitted to *ICCV*.

Shengli Hu. 2021. [Book] “Somm: Into the Model — AI for Wine Professionals.” [*Forthcoming*]

Shengli Hu. 2020. “Detecting Domain-Specific Credibility and Expertise in Text and Speech.” In Proceedings of *InterSpeech 2020*. [Multimodal Learning, Multi-task Learning, SpeechBert]

Mahdi Abavisani, Liwei Wu, **Shengli Hu**, Joel Tetreault, Alex Jaimes. “Multimodal Detection of Crisis Events in Social Media.” 2020. In Proceedings of *Computer Vision and Pattern Recognition (CVPR 2020)*. [Cross Attention, AI for Social Goods, Language and Vision, Multimodal Learning]

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

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)*. [Cognition & Perception, Information Theory, Convolutional Neural Networks]

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*. [Information Theory, 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]

EDUCATION

Cornell University, Ithaca, New York

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

Concentrations: Quantitative Marketing, Computer Science, Information Management

University of Southern California, Los Angeles, California

PhD-level Coursework in Economics, Dept of Economics, 2014

Fudan University, Shanghai, China

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

WORK
EXPERIENCE

Dataminr, New York City, New York

Research Scientist, 2019 -

- Built and deployed large-scale logo detection and text recognition/OCR models;
- Developed an internal active learning pipeline for model deployment;
- Facilitated time series analyses of flight trajectories, and information extraction of events.

SOFTWARES AND
LANGUAGES

Python, R, bash, \LaTeX , Pytorch, Keras, AWS EC2, D3, JavaScript, SQL, English, Mandarin

INTERNSHIP
EXPERIENCE

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

TEACHING
EXPERIENCE

Introduction to Programming in R & SQL; Advanced Data Analytics; International Marketing

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

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

Ad hoc reviewer for *ECCV 2018*, *Management Science*, *International Conference on Information Systems 2017*. Student member of *INFORMS*, *AEA*, *ACL*, *ASA*, *APA*, *AEA*, *IEEE*, *ACM*, *AMA*

PHD COURSEWORK

Advanced Artificial Intelligence
Networks, Crowds and Markets

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

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

Semi/Non-parametric Econometrics

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

MISC

Master of Wine candidate (Institute of Master of Wine), Diploma in Wine with Distinction by Wine and Spirits Education Trust (WSET), Certified Sommelier by The Court of Master Sommelier (CMS), Certified Specialist of Wine and Spirits by Society of Wine Educators (SWE).