Elise (Yizhi) Jing

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EDUCATION

Ph.D.,
Complex Systems, School of Informatics and Computing, Indiana University,
Expected: Spring 2019
- Advisor: Professor Yong-Yeol Ahn
- Minor: Computational Linguistics
- Current GPA: 3.89/4

B.S., Information Science, Sun Yat-sen University, 2015
- Thesis: *Evolution of Cooperative Strategies in an Extended Lattice Gas Model*

B.A., Anthropology, Sun Yat-sen University, 2014
- Thesis: *Habitus and Religious Practice in Multiethnic Families in North Tibetan-Yi Corridor*

Complex Systems Summer School, Santa Fe Institute, 2016

Exchange student, University of California, Berkeley, 2012

PUBLICATION

Ji Ma, **Elise Jing**, "Mission Alignment as a Substitute or Incentive: How Nonprofits Utilize the Alignment between Mission Statement and Daily Operation". By invitation: Chinese Public Administration Review.

PRESENTATION

Ian Wood, Jaehyuk Park, **Elise Jing**, Azadeh Nematzadeh, Souvik Ghosh, Michael Conover and Yong-Yeol Ahn, "Labor flow network reveals the hierarchical organization of the global economy". Abstract submitted for presentation at the 2017 International School and Conference on Network Science, Indianapolis, Indiana.

TEACHING

Associate Instructor, Indiana University

I210: Information Infrastructure I, Fall 2014
I201: Mathematical Foundations of Information Science, Spring 2015
I211: Information Infrastructure II, Fall 2015, Spring 2016, Spring 2017
I422/I590: Data Visualization, Fall 2016

GRANT AND AWARDS

LinkedIn Economic Graph Challenge, 2015 (Member of one of the 11 winning teams)

Grant for undergraduate research, Sun Yat-sen University, 2013 - 2014

PATENTS	Yong-Yeol Ahn, Azadeh Nematzadeh, Ian Wood, Jaehyuk Park, Yizhi Jing, and Michael Conover. "Data Flow Based Feature Vector Clustering". Pat. US 15/229,956 (Pending).
ACADEMIC SERVICE	Sub-reviewer, WWW 2017
OTHER ACADEMIC EXPERIENCE	Visitor for research collaboration, Santa Fe Institute, July 2016
	Midwest Workshop on Big Neuroscience Data, Tools, Protocols & Services, Ann Arbor, Michigan, 2016

IN THE PRESS

"LinkedIn Economic Graph Challenge 2015"
- IU Inc. (May 15th, 2015)
- SoIC News (May 14th, 2015)

RECENT PROJECTS

Forecasting Large-scale Economic Evolution: This project studies the organization of the global workforce using an exclusive dataset from LinkedIn. By constructing networks that describe labor flow between companies and industries, we attempt to discover micro units of economy and predict future economic growth based on the evolution of these units.

Evolution of Writings in an online community: This work studies creative writings from an Internet archive for creative writings, Archive of Our Own. By applying text analysis methods including language models and similarity measurements, we analyze how the interaction between authors and readers shape future writings.

MAIN ACADEMIC INTERESTS

Computational social science
Network science
Natural language processing

WORK EXPERIENCE

Associate Instructor, Indiana University, 2014-Now
Technological Support Assistant, Sun Yat-sen University Library, 2013-2014

SKILLS AND EXPERIENCE

Familiarity with Python, R, Apache Pig, Javascript, HTML, and Gephi.

Experience with cloud computing using Hadoop.

Experience in anthropological field work, participant observation, survey and

interview.

Languages spoken: English (fluent), Mandarin Chinese (native language), Cantonese (working knowledge).

VOLUNTEER WORKS	Volunteer for the Techie Women Have More conference, Indiana University, February 2016
	Website maintainer for the Center for Complex Networks and Systems Research, School of Informatics and Computing, Indiana University, 2014-2015
	Volunteer for the 2010 Asian Games, Guangzhou, China, 2010