Elise (Yizhi) Jing

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Education

Indiana University, Bloomington, IN

Doctor of Philosophy in Complex Systems   May 2019
- Minor: Computational Linguistics
- Main areas: Data science, network science, natural language processing
- GPA: 3.9/4

Sun Yat-sen University, Guangzhou, China

Bachelor of Science in Information Science   June 2015
Bachelor of Arts in Anthropology   June 2014

Project Experience

Forecasting Large-scale Economic Evolution   2015-Now
- Utilized the Hadoop platform to work with large datasets constructed from LinkedIn user profiles.
- Analyzed and visualized networks with more than 300 million nodes.
- Suggested a new approach for understanding the organization of industrial sectors and the evolution of global economy.
- Presented at two top conferences in the Complexity Science field.

Creativity and Popularity of Writings in an Online Community   2016-Now
- Created a Python web scraper to collect and store more than 300,000 web pages.
- Constructed language models and regression models to analyze text data.
- Discovered patterns about what makes creative writings popular.
- Presented in poster form at the 2017 Conference on Complex Systems.

Work Experience

Indiana University, Bloomington, IN   2014-Now
Associate Instructor
- Plan and manage lab sessions for 35+ students weekly.
- Create assignments for students to practice Python/Javascript programming and data visualization skills.
- Assist professor in preparing course materials, teaching and evaluation.

Skills

- **Languages:** Python (proficient); Java, Apache Pig, SQL, R, HTML, Javascript (working knowledge)
- **Platforms:** Hadoop, Unix, Mac OS, and Linux
- **Miscellaneous:** Github, Latex, Gephi
- **Qualitative research:** Anthropological field work, participant observation, survey and interview.
- **Language spoken:** English (fluent), Mandarin (native language), and Cantonese (working knowledge)