

Elise Jing

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OBJECTIVE	Intern position in data science
SKILLS	<ul style="list-style-type: none">• Languages: Python (primary language), Apache Pig, Java, SQL, R, HTML, Javascript (D3.js)• Tools: Git, Latex, Gephi• Qualitative research: Anthropological field work, participant observation, survey and interview.• Language spoken: English (fluent), Mandarin (native language), and Cantonese (working knowledge)
PROJECT EXPERIENCE	<p>Novelty and Success of Writings in an Online Community Feb 2016-September 2018</p> <ul style="list-style-type: none">• Created a Python web scraper to collect a large dataset of more than 4 million fictions• Used the TF-IDF and LDA models to quantify the novelty of fictions• Created multiple regression models and generalized additive models to find out what makes creative writings successful• Paper in review: <i>ICWSM 2019</i>• Code: https://github.com/yzjing/ao3 <p>Forecasting Large-scale Economic Evolution May 2015-August 2018</p> <ul style="list-style-type: none">• Used Hadoop Pig to work with huge datasets from LinkedIn• Analyzed the labor force flows between 147 industries and more than 3,000 regions• Suggested a new approach for understanding the organization of industrial sectors and the evolution of global economy.• Paper in submission to <i>Nature</i>. Patent filed: US 15/229,956
WORK EXPERIENCE	<p>Associate Instructor, Indiana University Aug 2014-present</p> <ul style="list-style-type: none">• Teach the full Python data science stack, including NumPy, SciPy, Matplotlib, Pandas, Scikit-Learn, and Jupyter• Help students in learning Python/Javascript programming and data visualization skills• Assist professor in preparing course materials, teaching and evaluation
EDUCATION	<p>Ph.D. Complex Systems, Indiana University, May 2020 (expected)</p> <ul style="list-style-type: none">• Minor: Computational Linguistics• Main areas: Text mining, Natural Language Processing, Network Science <p>B.S. Information Science, Sun Yat-sen University, Jun 2015</p> <p>B.A. Anthropology, Sun Yat-sen University, Jun 2014</p>
SELECTED HONORS & AWARDS	<ul style="list-style-type: none">• LinkedIn Economic Graph Challenge, 2015 (One of the 11 winning teams)• NSF Research Trainee scholarship in Complex Networks and Systems, 2018• Alumni of the Santa Fe Institute's Complex Systems Summer School, 2016