Lisa Jin

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Rochester, NY 14620
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Education	*Ph.D.,* Computer Science University of Rochester; Rochester, NY Advised by Daniel Gildea	Aug. 2017–present
	M.S., Computer Science University of Rochester; Rochester, NY	Aug. 2017–Aug. 2019
	B.S., Computer Science University of Michigan; Ann Arbor, MI	Sep. 2013–Apr. 2017

Relevant Coursework

Graduate: Machine Vision, Parallel and Distributed Systems, Semantic Parsing, Advanced Algorithms, Machine Learning.
Undergraduate: Linear Algebra and Differential Equations, Introduction to Machine Learning, Information Retrieval and Web Search, Introduction to Operating Systems.

Experience

Data Science Intern, Data Science Summer Institute   May–Aug. 2018
Lawrence Livermore National Laboratory; Livermore, CA
- Compared drug molecule representations using hierarchical clustering and automatic dendrogram truncation.
- Parallelized computation of large molecular distance matrices.

Research Intern, Center for Functional Connectomics   Jul.–Aug. 2017
Korea Institute of Science and Technology; Seoul, Korea
- Prototyped method for counting neurons in electron microscopy images.
- Implemented convolutional neural network for cell segmentation in TensorFlow.

Research Assistant, Dept. of EECS   Aug. 2016–Aug. 2017
University of Michigan; Ann Arbor, MI
- Applied semi-supervised algorithm summarizing temporal networks from fMRI.
- Developed Python visualization tool for exploring time-evolving graphs.

Research Assistant, Dept. of Psychology   Jan. 2016–Apr. 2016
University of Michigan; Ann Arbor, MI
- Wrote C++ code for concept lattice extraction from object-attribute matrices.

Skills

Languages: C++, C, Python, JavaScript, Ruby.
Frameworks & Scripting: TensorFlow, MATLAB, Bash, D3.js.
Other: Git, Vim, LaTeX.

Teaching

TA, Introduction to Artificial Intelligence, University of Rochester, Fall 2018.
TA, Web Databases and Information Systems, University of Michigan, Winter 2017.

Publications

Neil Shah, Danai Koutra, Lisa Jin, Tianmin Zou, Brian Gallagher, Christos Faloutsos. "On Summarizing Large-Scale Dynamic Graphs." *Data Engineering Bulletin*, September 2017, 40 (3).

Lisa Jin and Danai Koutra. "ECOviz: Comparative Visualization of Time-Evolving Network Summaries." *KDD Workshop on Interactive Data Exploration and Analytics*, August 2017.

Awards & Honors	NSF Research Traineeship (NRT) Fellowship, August 2017 & August 2018. KDD Student Travel Award, July 2017. Hajim School of Engineering Dean's Fellowship, University of Rochester, March 2017 & August 2018.