Jiaying Lu

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Research Interests

Graph Mining, Knowledge Graph, Natural Language Processing.

Education

Emory University, Atlanta, USA
Thesis Advisor: Dr. Carl Yang
Ph.D. in Computer Science *Sep 2019 -- present*

Beijing University of Posts and Telecommunications, Beijing, China
M.S. in Electronics and Communication Engineering *Sep 2014 -- Mar 2017*
B.S. in Information Engineering *Sep 2010 -- Jun 2014*

Publications

- **Jiaying Lu**, and Carl Yang. "Open-World Taxonomy and Knowledge Graph Co-Learning." *Under Review*. 2021.
- **Jiaying Lu**, Xiangjue Dong, Carl Yang. "Weakly Supervised Concept Graph Generation through Task-Guided Graph Translation." *Under Review*. 2021.
- **Jiaying Lu**, and Jinho D. Choi. "Evaluation of Unsupervised Entity and Event Salience Estimation." *The International FLAIRS Conference Proceedings*. 2021.

Research & Professional Experience

Arizona State University, Tempe, USA
Visiting Student *Aug 2018 – Jan 2019*

- Proposed a reinforcement learning model to generate distractors for multiple-choice visual questions, advised by *Dr. Yezhou Yang* (arXiv).

Xiaomi, Search Engine Group, Beijing, China
NLP Engineer *Jan 2018 – Jul 2018*

- Responsible for word segmentation, named entity recognition modules of the MIUI search engine.
- Developed a sequence tagging model for mining synonym pairs from unstructured text.

Baidu, Search Advertising Group, Beijing, China
NLP Engineer *Apr 2017 -- Dec 2017*
NLP Engineer Intern *Oct 2016 -- Mar 2017*

- Participated in core projects that empowered numerous business partners and increased the search engine Ads revenue by millions.
- Applied NLP techniques for dynamic Ad content generation, sentences similarity calculation.

Services

Program Committee: ICML-IMLH'21, ICCV-CAVMD'21.
Reviewer: ICRA'19, IJCAI'20, BigData Journal'21, CIKM'21.
Conference Organizing: KDD'22 Web Developer.

Skills

Programing Languages: Python, C&C++, Java, Linux Shell, Hadoop, Spark, Web.
Machine Learning Tools: Pytorch, Tensorflow, NLTK, Gensim, scikit-learn.