Zihui(Irene) Li | Résumé

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Education

Yale University, USA

PhD Student, *Aug. 2017 - Now*

Research interests are domain adaptation, deep learning (natural language processing), general machine learning and artificial intelligence.

University College Dublin, Ireland **First Honor Degree**

Master Degree of Science, *Sept. 2014 - Aug. 2015*

Majoring in Data Science. Thesis: *An Online Segmentation Method using Dynamic Time Warping.*

Wuhan Polytechnic University, China **Top 5%**

Bachelor Degree of Management (First Degree), *Sept. 2010 – Jun. 2014*

Bachelor's Degree of English Language and Literature (Secondary Degree)

Experience

Baidu Inc.,Beijing, China

Internship (Natural Language Processing Group) *June 2018 – Aug. 2018*

Worked on text summarization with transfer learning.

Accenture AI TechLab, Ireland

Research Engineer *Apr. 2017 – Jul. 2017*

Worked on applied deep learning models: time-series data analysis/ prediction using LSTM, representation learning on structural data, natural language processing on specific domain texts using CNN and attention-based model.

Adapt Data Center, Ireland

Senior Researcher *Mar. 2016 – Feb. 2017*

Research topics on domain adaptation, deep learning, NLP, etc.

IBM Care Manager Group, IBM Ireland Research Lab, Ireland

Research Intern *Jun. 2016 – Aug. 2016*

Research on applying deep learning methods to healthcare domain. The work involves with NLP, RNNs and recommender system.

Japan Science and Technology Agency (JST), Ireland

Research Assistant (Big Data Group) *Jun. 2015 – May 2016*

Research on Loopy Belief Propagation algorithm and implementations by Swift. Research on large-scale Graph Database algorithm (Gibbs Sampling) on Titan. Research on performance modeling by applying Deep Learning.

Insight Centre for Data Analytics, University College Dublin, Ireland

Research Intern *May 2015 – Aug. 2015*

Assisted research fellows on a research of an online segmentation algorithm on sensor-collected data. It involved Java.

Publications

Irene Li, Alexander Fabbri, Robert Tung and Dragomir Radev. *What Should I Learn First: Introducing LectureBank for NLP Education and Prerequisite Chain Learning*. Proceedings of AAAI, 2019 (long paper)

Alexander Fabbri, **Irene Li**, Prawat Trairatvorakul, Yijiao He, Wei Tai Ting, Robert Tung, Caitlin Westerfield and Dragomir Radev. *TutorialBank: A Manually-Collected Corpus for Prerequisite Chains, Survey Extraction and Resource Recommendation*. Proceedings of ACL, 2018 (long paper)

Mark Hughes, **Irene Li**, Spyros Kotoulas and Toyotaro Suzumura. *Medical Text Classification using Convolutional Neural Networks*. Informatics for Health Conference, 2017

An Sheng Lu, **ZihuiLi**, Hui Xiu Jin, Jia Yi Zhang and Hang Wei. *Research of distributed search engine based on Hadoop(DSEH)*. EI Compendex, 2013

An Sheng Lu, Hui Xiu Jin, **Zihui Li** and Jing Li. *Research and Implementation on a statistical algorithm based on multidimensional dynamic reports*. EI Compendex, 2013

Professional Skills

Programming Language: Python, Java, Ruby
Techniques: Algorithms, Data Mining, Machine Learning, Natural Language Processing, Recommendation System, Deep Learning

Languages

Chinese: Native
English: Fluent

Links

Linkedin: https://ie.linkedin.com/in/irenelizihui
Github: https://github.com/IreneZihuiLi
Blog: ireneli.eu

References

Prof. Dragomir Radev: Professor of Computer Science **Yale University, USA**
dragomir.radev@yale.edu

Prof. Toyotaro Suzumura: Research Scientist **IBM T.J. Watson Research Center, NY, USA**
suzumura@acm.org

Dr.Ruihai Dong: Assistant Professor of Computer Science **University College Dublin, Ireland**
ruihai.dong@ucd.ie