

Zihui(Irene) Li | Résumé

New Haven, CT, 06511, USA

✉ irene.li@yale.edu

Education

Yale University, USA

PhD Student,

Aug. 2017 - Now

Research interests are transfer learning, domain adaptation, deep learning (natural language processing), general machine learning and NLP with clinical notes data.

University College Dublin, Ireland

Master Degree of Science,

First Honor Degree

Sept. 2014 - Aug. 2015

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

Wuhan Polytechnic University, China

Bachelor Degree of Management (First Degree),

Top 5%

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 topic including recommendation systems, domain adaptation and NLP.

IBM Research Dublin, Ireland

Internship

June 2016 – Aug. 2016

Worked with deep learning models in the healthcare domain.

Griffith College Dublin, Ireland

Part-time Instructor

Jan. 2016 – May. 2016

Instructor for the course Distributed Systems.

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.

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

Professional Skills

Programming Language: Python, Java, Ruby

Techniques: Algorithms, Data Mining, Machine Learning, Natural Language Processing, Recommendation System, Deep Learning

Activities

Book Translation: Itay Lieder, Yehezkel Resheff, Tom Hope. *Learning TensorFlow: A Guide to Building Deep Learning Systems*. O'Reilly Media 2017. English to Chinese translation with Xiaohu Zhu.

Languages

Chinese: Native

English: Fluent

French: I promise I will learn, though I can not speak now.

Links

Google Scholar: <https://scholar.google.com/citations?user=JuYPjCMAAAAJhl=en>

Linkedin: <https://ie.linkedin.com/in/irenelizihui>

Github: <https://github.com/IreneZihuiLi>

Blog: ireneli.eu