

# (Bill) Yuchen Lin *Ph.D. candidate in Computer Science*

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## Education

- University of Southern California LOS ANGELES, CALIFORNIA  
**Ph.D. in Computer Science** *Aug '18 – Present*  
Advisor: Prof. [Xiang Ren](#)  
Focused on Machine Learning, Natural Language Processing, and Artificial Intelligence.
- Shanghai Jiao Tong University SHANGHAI, CHINA  
**B.Sc. in Computer Science** *Spet '14 – Jun '18*  
Advisor: Prof. [Kenny Qili Zhu](#)  
Member of IEEE HONORED CLASS  
Thesis: *Common-Sense Knowledge Graph Construction and Representation* (Best Thesis Award, Top 1% at SJTU & Top 1 in the CSE Department.)
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## Experience

- Microsoft Research, Asia BEIJING, CHINA  
**Research Intern** *Oct '17 – Mar '18*  
Focused on building multilingual Question Answering systems for data-related query.
- StatNLP Group SINGAPORE  
**Visiting Fellow** *Jun '17 – Sep '17*  
Advisor: Prof. [Wei Lu](#)  
Focused on Transfer Learning and Domain Adaptation in NLP tasks.
- ADAPT Lab Shanghai, China  
**Research Assistant** *May '16 – June '18*  
Advisor: Prof. [Kenny Qili Zhu](#)  
Focused on Information Extraction, Text Mining, Traffic Prediction.
- IIoT Research Center Shanghai, China  
**Research Assistant** *Feb '17 – Jun '17*  
Advisor: Prof. [Xinbing Wang](#)  
Focused on Temporal Network Analysis.
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## Publications

- Neural Adaptation Layers for Cross-domain Named Entity Recognition.  
*in Proc. of EMNLP 2018*  
**[Bill Yuchen Lin](#)** and [Wei Lu](#)
- ExtRA: Extracting Prominent Review Aspects from Customer Feedback.  
*in Proc. of EMNLP 2018*  
[Zhiyi Luo](#), [Shanshan Huang](#), [Frank F. Xu](#), **[Bill Yuchen Lin](#)**, [Hanyuan Shi](#) and [Kenny Q. Zhu](#)
- Mining Cross-Cultural Differences and Similarities in Social Media.  
*in Proc. of ACL 2018*  
**[Bill Yuchen Lin](#)**, [Frank F. Xu](#), [Kenny Q. Zhu](#), [Seung-won Hwang](#)
- Automatic Extraction of Commonsense LocatedNear Knowledge.  
*in Proc. of ACL 2018*  
[Frank F. Xu](#), **[Bill Yuchen Lin](#)**, [Kenny Q. Zhu](#)
- Multi-channel BiLSTM-CRF Model for Emerging Named Entity Recognition in Social Media.  
*in Proc. of EMNLP 2017 Workshop on Noisy User-generated Text (W-NUT)*  
**[Bill Y. Lin](#)**, [Frank F. Xu](#), [Zhiyi Luo](#), [Kenny Q. Zhu](#)

6. Dynamic Detection of Communities and Their Evolutions in Temporal Social Networks.  
*in Proc. of AAAI 2018, Student Abstract*  
Yaowei Huang, Jinghuan Shang, **Bill Y. Lin**, Luoyi Fu, Xinbing Wang
  7. Transfer Learning for Traffic Speed Prediction: A Preliminary Study.  
*in Proc. of AAAI 2018, Workshop on Smart Internet of Things*  
**Bill Y. Lin**, Frank F. Xu, Eve Q. Liao, Kenny Q. Zhu
  8. Cross-region traffic prediction for China on OpenStreetMap.  
*in Proc. of ACM SIGSPATIAL 2016, International Workshop on Computational Transportation Science (IWCTS)*  
Frank F. Xu, **Bill Y. Lin**, Qi Lu, Yifei Huang, Kenny Q. Zhu
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## Selected Honors and Awards

- Travel Support for ACL2018, ACL Walker Fund, 2018
  - Best Bachelor Thesis Award (Top 1% at SJTU & Top 1 in the CSE Department), 2018
  - Yuanqing Yang's Scholarship, the foundation of Class 1988 in CS Department at SJTU, 2018
  - Annenberg Fellowship Award, University of Southern California, 2018
  - Qide Scholarship, Shanghai Jiao Tong University, 2017-2018
  - Shanghai Scholarship, Shanghai Jiao Tong University, 2016-2017 (rank 2/69)
  - Academic Excellence Scholarship, Shanghai Jiao Tong University, 2016-2017 (rank 2/69)
  - Academic Progress Scholarship, Shanghai Jiao Tong University, 2016-2017 (rank 9/97)
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## Professional Services

Reviewer: EMNLP 2018, EMNLP 2017 (W-NUT)

Volunteer: ACL 2018

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## Referee

### - Prof. Xiang Ren

Assistant Professor of Computer Science  
University of Southern California and Information Science Institute  
Homepage: <http://www-bcf.usc.edu/~xiangren/>  
Email: [xiangren@usc.edu](mailto:xiangren@usc.edu)

### - Prof. Kenny Q. Zhu

Full Professor of Computer Science  
Shanghai Jiao Tong University, Shanghai  
Homepage: <http://cs.sjtu.edu.cn/~kzhu>  
Email: [kzhu@cs.sjtu.edu.cn](mailto:kzhu@cs.sjtu.edu.cn)

### - Prof. Wei Lu

Assistant Professor of Computer Science  
Singapore University of Technology and Design, Singapore  
Homepage: <https://istd.sutd.edu.sg/people/faculty/lu-wei>  
Email: [luwei@sutd.edu.sg](mailto:luwei@sutd.edu.sg)

### - Dr. Jian-Guang Lou

Senior Researcher  
Microsoft Research Asia, Beijing  
Homepage: <https://www.microsoft.com/en-us/research/people/jlou/>  
Email: [jlou@microsoft.com](mailto:jlou@microsoft.com)

Oct. 2018