Xinchi Chen (陈新驰)   Senior Applied Scientist at Amazon AWS AI Lab   Dalstonchen@gmail.com

Work Experience

2020.2 – Now   **Senior Applied Scientist** at Amazon AWS AI Lab, Santa Clara, California

2018.9 – 2020.2   **Research Associate (PostDoc)** at University of Edinburgh, working with Prof. Ivan Titov

2017.6 – 2017.12   **Intern** at Microsoft Research Asia (MSRA), working with Dr. Furu Wei & Dr. Ming Zhou

Education

2013.9 – 2018.6   **Ph.D. in School of Computer Science and Technology**   Fudan University

Advisors: Xuanjing Huang, Xipeng Qiu. Research Interests: Natural Language Processing & Deep Learning

2009.9 – 2013.6   **BSc. in School of Computer Science and Technology**   Zhejiang Normal University

Research Interests

My academic pursuits revolve around machine learning and natural language processing. Lately, I've been delving into information retrieval and leveraging large language models to enrich conversation-based enterprise-level search engines (Amazon Q for business).

Selected Publications

Xiyang Hu, **Xinchi Chen**, Peng Qi, Deguang Kong, Kunlun Liu, William Yang Wang, Zhiheng Huang
[ACL Findings 2023] Language Agnostic Multilingual Information Retrieval with Contrastive Learning

Manoj Ghuhan Arivazhagan, Lan Liu, Peng Qi, **Xinchi Chen**, William Wang, Zhiheng Huang
[ACL Findings 2023] Hybrid Hierarchical Retrieval for Open-domain Question Answering

Peng Xu, **Xinchi Chen**, Xiaofei Ma, Zhiheng Huang, Bing Xiang
[EMNLP Findings 2021] Contrastive Document Representation Learning with Graph Attention Networks

Xinchi Chen, Chunchuan Lyu, Ivan Titov
[EMNLP 2019] Capturing Argument Interaction in Semantic Role Labeling with Capsule Networks

Jingjing Gong, **Xinchi Chen**, Tao Gui, Xipeng Qiu
[AAAI 2019] Switch-Lstms for Multi-Criteria Chinese Word Segmentation

Zhan Shi, **Xinchi Chen**, Xipeng Qiu, Xuanjing Huang
[IJCAI 2018] Towards Diverse Text Generation with Inverse Reinforcement Learning

Chaoqun Duan, Lei Cui, **Xinchi Chen**, Furu Wei, Conghui Zhu, Tiejun Zhao
[IJCAI 2018] Attention-Fused Deep Matching Network for Natural Language Inference

Jingjing Gong, Xipeng Qiu, **Xinchi Chen** and Xuanjing Huang
[EMNLP 2018] Convolutional Interaction Network for Natural Language Inference

Xinchi Chen, Xipeng Qiu & Xuanjing Huang
[IJCAI 2017] A Feature-Enriched Neural Model for Joint Chinese Word Segmentation and Part-of-Speech Tagging

Xinchi Chen, Zhan Shi, Xipeng Qiu & Xuanjing Huang
[ACL 2017 **Outstanding Paper**] Adversarial Multi-Criteria Learning for Chinese Word Segmentation

Xinchi Chen, Xipeng Qiu, Chenxi Zhu, Pengfei Liu & Xuanjing Huang
[EMNLP 2015] Long Short-Term Memory Neural Networks for Chinese Word Segmentation

Xinchi Chen, Xipeng Qiu, Chenxi Zhu, Shiyu Wu & Xuanjing Huang
[EMNLP 2015 (Short)] Sentence Modeling with Gated Recursive Neural Network

Xinchi Chen, Yaqian Zhou, Chenxi Zhu, Xipeng Qiu & Xuanjing Huang
[EMNLP 2015] Transition based Dependency Parsing Using Two Heterogeneous Gated Recursive Neural Networks

Xinchi Chen, Xipeng Qiu, Chenxi Zhu & Xuanjing Huang
[ACL 2015] Gated Recursive Neural Network for Chinese Word Segmentation

Chenxi Zhu, Xipeng Qiu, **Xinchi Chen** & Xuanjing Huang
[ACL 2015] A Re-Ranking Model for Dependency Parser with Recursive Convolutional Neural Network

Pengfei Liu, Xipeng Qiu, **Xinchi Chen**, Shiyu Wu & Xuanjing Huang
[EMNLP 2015] Multi-Timescale Long Short-Term Memory Neural Network for Modelling Sentences and Documents

Awards & Services

Excellent doctoral dissertation of CIPS   Academic star of Fudan University

Outstanding graduate of Shanghai   National scholarship for undergraduate & graduate students

Reviewer: COLING, NAACL, ACL, EMNLP, LREC, NAACL, AAAI, ICLR, IJCAI, NeurIPS, CoNLL, CL.

Area Chair: IJCAI 2023, ACL 2023, IJCAI 2024, EMNLP2024.   **Session Chair:** EMNLP 2021, ACL 2023.