

ZIJUN SUN

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PROFESSIONAL EXPERIENCE & EDUCATION

2020.6-now	Shannon.AI	NLP Researcher
<ul style="list-style-type: none">● AI Writing Assistant● Cross-field Pre-trained models● Explainable NLP		
2017.9-2020.6	Peking University	M.S. in School of EE/CS
<ul style="list-style-type: none">● Major: Computer Science● Rank: 1 / 15● GPA: 3.5 / 4.0		
2013.9-2017.6	Yunnan University	B.S. in School of Software
<ul style="list-style-type: none">● Major: Software Engineering● Rank: 1 / 58● GPA: 3.64 / 4.0		

PROJECT

AI Writing Assistant

- Designed and implemented the whole AI system as a team leader
- Explored advanced models for Chinese spell error correction

Pretrained Graph Convolutional Network

- Built a unified large-scale graph network based on multiple gene datasets
- Improved graph training tasks and training processes
- Proposed a new paradigm for biological tasks: pre-train downstream embedding

ChineseBert

- Incorporated both the glyph(visual) and pinyin(phonetic) information of Chinese characters
- Enhanced Bert by bringing significant syntax and semantic information for language understanding
- Yield significant performance boost over baseline models

INTERNSHIP

2019.6-2020.5	Shannon.AI	Research Intern
Advisor: Dr. Jiwei Li, Chief Executive Officer		
Topics: Question Answering, Event Extraction		
<ul style="list-style-type: none">● Proposed a new paradigm for the task of entity-relation extraction by casting the task as a multi-turn question answering problem, the extraction of entities and relations is transformed to the task of identifying answer spans from the context.● Created a novel strategy for the task of named entity recognition (NER). We cast the task as a query-based machine reading comprehension task.● Implemented a Knowledge Base Question Answering System(KBQA) for the stock market, the pipeline includes tagging, parsing, nl2sql		

2018.9-2019.5

Peking University

Research Assistant

Advisor: Dr. Sujian Li, Associate Professor

Topics: Event Extraction, Graph Convolutional Network

- Proposed a multi-view graph convolutional network for the task of event extraction.
- Introduced shortcut arcs (e.g. AMR, Parse tree, Syntax Tree) to enhance information flow.
- Captured the very long-distance dependencies by graph convolutional neural network.

PUBLICATIONS

Neural Semi-supervised Learning for Text Classification Under Large-Scale Pretraining

(on submit)

Zijun Sun*, Chun Fan, Xiaofei Sun, Yuxian Meng, Fei Wu and Jiwei Li

<https://github.com/ShannonAI/Neural-Semi-Supervised-Learning-for-Text-Classification>

Self-Explaining Structures Improve NLP Models

(on submit)

Zijun Sun*, Chun Fan, Qinghong Han, Xiaofei Sun, Yuxian Meng, Fei Wu, Jiwei Li

<https://github.com/ShannonAI/Self-Explaining-Structures-Improve-NLP-Models>

ChineseBERT: Chinese Pretraining Enhanced by Glyph and Pinyin Information

ACL2021

zijun sun*, Xiaoya Li, Xiaofei Sun, Yuxian Meng, Xiang Ao, Qing He, Fei Wu and Jiwei Li

<https://github.com/ShannonAI/ChineseBert>

Entity-Relation Extraction as Multi-Turn Question Answering (equal contribution)

ACL2019

Xiaoya Li*, Fan Yin*, Zijun Sun*, Xiayu Li, Arianna Yuan, Duo Chai, Mingxin Zhou, Jiwei Li

HONORS & AWARDS

2018-2019 The Second Prize Scholarship, Peking University (Top 16% of school)

2018-2019 Outstanding Student Award, Peking University (Ranked 1st in class)

2017-2018 Outstanding Research Scholarship, Peking University

2016-2017 Outstanding Graduates, Yunnan University

2015-2016 The First Prize Scholarship, Yunnan University (Ranked 1st in school)

2014-2015 The First Prize Scholarship, Yunnan University (Ranked 1st in school)

2013-2014 China National Scholarship, Yunnan University (Ranked 1st in school)

SKILLS

Technical: Python, Java, MySQL, Pytorch, Tensorflow, NLP, ML, DL

TOEFL: 105 (Reading 30, Listening 27, Speaking 21, Writing: 27)

GRE: 330 (Verbal 170, Quantitative 160)