CV

General Information

Full Name Haoyuan Peng - 彭浩源

Date of Birth 7th July 1994

Languages Chinese, Cantonese, English

Education

2015 - 2018

Master's degree, Computer Science

Software School of Fudan University

- Under the supervision of Prof. Zheng Xiaoqing, I studied state-of-the-art NLP research. Our research interests mainly lie in pre-training word embeddings and dependency parsing. Our works are published in AAAI-2017 and AAAI-2018.
- I participated in the development of FudanDNN-NLP, a deep learning-based natural language processing tool.
- I was awarded a postgraduate freshman scholarship in 2015.
- I was selected as an Outstanding Graduate in Shanghai in 2018.

2011 - 2015

Bachelor's degree, Computer Software Engineering

Software School of Fudan University

- Under the supervision of Prof. Zheng Xiaoqing, I have been conducting research on natural language processing since 2013. Our work is published in IJCAI-2015.
- I was awarded the Third Prize of the Scholarship for OutStanding Students at Fudan University in the 2014-2015 academic year.
- I have participated in Fudan's Undergraduate Experiment and Practice Opportunities Program from 2013 to 2015 under the guidance of Prof. Zheng Xiaoqing, and passed the thesis defence.

Experience

2023 - PRESENT

Senior Algorithm Engineer

Learnable.AI, Shanghai, China

- Engaging in applied research on the direction of K-12 auto-grading system. Transforming large language models (LLMs) and seq2seq models into read-world applications, such as translating arbitrary answers written by students in natural language into an internally defined formal language.Engaging in applied research on the direction of K-12 auto-grading system. Transforming large language models (LLMs) and seq2seq models into read-world applications, such as translating arbitrary answers written by students in natural language into an internally defined formal language.

2021 - 2022

Senior Researcher

Tencent, Shanghai, China

- Yunzhi Media AI Platform - Responsible for the text error correction, video labeling and key information extraction algorithms of multimodal content structuring in Tencent Yunzhi Media AI Platform, which has won the CCBN 2021 Product Innovation Excellence Award. The labeling algorithm I was responsible for won the 2nd place in the 2021 AIWIN Algorithm Technology Competition [2] without training with the competition training data.

Tencent, Shanghai, China

- Intelligent Public Opinion Analysis System - Responsible for the overall algorithm scheme and compieted the deveiopment and optimization of multiple NLP algorithms. This product is customized for securities industry regulators.
- Tencent Cloud NLP Products - Responsible for the development of general text matching and Chinese spelling correction algorithms, which are deployed on Tencent Cloud and applied in several custom projects.
- Tencent TI-ONE ML Platform - Implemented multiple traditional ML algorithms and DL-based NLP algorithms on Tencent TI-ONE ML Platform for users to train models on their custom data.

2014 - 2015

Data Analyst Intern

eBay, Shanghai, China

Skills

Following the cutting-edge research in the field of natural language processing. Experienced in publishing papers in top international academic conferences.

Knowledge in full life cycle AI/ML with learning, inference, engineering and integration.

Proficient in Python and able to write high-quality Python code.

Familiar with mainstream deep learning frameworks, including pytorch, tensorflow 1.x and tensorflow 2.x.

Service

Conference Reviewer: KDD-2023, ACL-2023

Honors and Awards

2021 - Second Place of AIWIN 2021 Algorithm Technology Competition

2020 - Tencent New Code Culture Award - Award for outstanding internal open source code projects

2018 - Outstanding Graduate in Shanghai

2015 - Postgraduate Freshman Scholarship

Academic Interests

Natural Language Processing (NLP)

- Seq2seq translation
- Grammatical error correction - especially for OCR
- Dependency parsing

Multimodal

- Document AI
- Information extraction from visual texts in videos