Jiacheng Ye (叶佳成)

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Education

M.S. in Fudan University   2019.09 – 2021.12

- Major in Computer Science. Advisors: Tao Gui and Qi Zhang at FudanNLP Group
- Ranking: 2/145

B.E. in Sun Yat-sen University   2015.09 – 2019.06

- Major in Information Management and Information System
- Ranking: 7/82

Research Interests

- Natural Language Processing
- Information Extraction
- Text Generation

Seleted Projects

One2Set: Generating Diverse Keyphrases as a Set   ACL 2021

- In this work, we propose a new training paradigm One2Set without predefining an order to concatenate the keyphrases. To fit this paradigm, we propose SetTrans model that utilizes a fixed set of learned control codes as conditions to generate a set of keyphrases in parallel, which greatly increases the diversity and reduces the duplication ratio of the generated keyphrases.

TextFlint: Robustness Evaluation Toolkit   ACL 2021 Demo

- In this work, we build a multilingual robustness evaluation platform for natural language processing, which unifies text transformation, sub-population, adversarial attack, and their combinations to provide a comprehensive robustness analysis. I am primarily responsible for the POS tagging task and toolkit framework construction.

Publications

(*: equal contribution)

- **Jiacheng Ye**, Ruijian Cai, Tao Gui, Qi Zhang. *Heterogeneous Graph Neural Networks for Keyphrase Generation*. In EMNLP 2021, long paper. [Code]

- Yichao Luo*, Yige Xu*, **Jiacheng Ye**, Xipeng Qiu and Qi Zhang. *Keyphrase Generation with Fine-Grained Evaluation-Guided Reinforcement Learning*. In EMNLP-Findings 2021, long paper.

- **Jiacheng Ye**, Tao Gui, Yichao Luo, Yige Xu, Qi Zhang. *One2Set: Generating Diverse Keyphrases as a Set*. In ACL 2021, long paper. [Code] [Blog]

- **FudanNLP Group**. *TextFlint: Unified Multilingual Robustness Evaluation Toolkit for Natural Language Processing*. In ACL 2021 Demo Track. [Site] [Code] [Blog]

- Tao Gui*, **Jiacheng Ye***, Qi Zhang, Zhengyan Li, Zichu Fei, Yeyun Gong, Xuanjing Huang. *Uncertainty-Aware Label Refinement for Sequence Labeling*. In EMNLP 2020, long paper. [Code]

- Tao Gui*, **Jiacheng Ye***, Qi Zhang, Yaqian Zhou, Yeyun Gong, Xuanjing Huang. *Leveraging Document-Level Label Consistency for Named Entity Recognition*. In IJCAI 2020. [Code]

- Tao Gui*, Lizhi Qing*, Qi Zhang, **Jiacheng Ye**, Hang Yan, Zichu Fei, Xuanjing Huang. *Constructing Multiple Tasks for Augmentation: Improving Neural Image Classification With K-means Features*. In AAAI 2020, Oral. [Code]

Internships

The University of Hong Kong - Research Intern   2021.11 - Present

- Mentor: Lingpeng Kong and Tao Yu in HKU NLP Group.

- Research about pre-training model and text generation.

Tencent Ads - Research Intern   2021.06 - 2021.11

- Mentor: Zhihui Lao and Lifeng Wang.

- Focused on the consistency problem in the cascade architecture of industrial advertising system. The final work is under review in WWW 2022.

NetEase Games - Engineer Intern   2018.08 - 2018.12

- Worked on data crawling with Scrapy framework and analysis with Spark, Hive, etc.

Honors & Awards

- National Scholarship (1%), Fudan University, 2021.

- Glarun Scholarship of CETC-NRIET (5%), Fudan University, 2020.

- The Second-grade Scholarship (10%), Sun Yat-sen University, 2016/2017/2018.

- The Faculty Scholarship (10%), Sun Yat-sen University, 2016/2017.

Skills

- Language: Chinese, English.

- Programming Language：Python, Java, C/C++.

- Sports: Badminton (The runner-up in the faculty competition in Sun Yat-sen University).