

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: 7/145

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

- 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.
- 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 AACL 2020, Oral. [[Code](#)]

INTERNSHIPS

Tencent Ads - Research Intern

2021.06 - 2021.09

- Advertising System and Recommendation System. Mentor: Zhihui Lao and Lifeng Wang.
- Focused on the consistency problem in the cascade architecture of industrial advertising system and proposed a new training paradigm for the pre-ranking system. The final work *Consistency-Aware Learning-to-rank Pre-Ranking System* will be submitted to 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

- Glarun Scholarship of CETC-NRIET (Top 5%), Fudan University, 2020.
- The second-grade scholarship, Sun Yat-sen University, 2016/2017/2018.
- The faculty scholarship, Sun Yat-sen University, 2016/2017.

SKILLS

- Language: English (CET-6)
- Programming Language: Python, Java, C/C++
- Sports: Badminton (The runner-up in the faculty competition in Sun Yat-sen University)