# JIACHENG YE (叶佳成)

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## EDUCATION

**The University of Hong Kong**                                    2022.09 – *present*
- Ph.D. in Computer Science, co-advised by Lingpeng Kong and Tao Yu in HKU NLP Group.

**Fudan University**                                               2019.09 – 2021.12
- M.S. in Computer Science, advised by Qi Zhang at FudanNLP Group.
- Ranking: 2/145

**Sun Yat-sen University**                                        2015.09 – 2019.06
- B.E. in Information Management and Information System.
- Ranking: 7/82

## RESEARCH INTERESTS

I am boardly interested in different topics in NLP. Currently, I focus more on interacting and exploiting large language models (LLMs):

- Better interacting with LLMs via In-context Learning (SAIL, CEIL, OpenICL)
- From general LLMs to task/domain specific efficient models by Data Distillation (ZeroGen, ProGen, Sun-Gen).

## SELECTED PUBLICATIONS

Google Scholar. (*: equal contribution)

- Zhiyong Wu*, Yaoxiang Wang*, **Jiacheng Ye***, Lingpeng Kong. *Self-adaptive In-context Learning*. Preprint 2023.

- Zhenyu Wu*, YaoXiang Wang*, **Jiacheng Ye***, Jiangtao Feng, Jingjing Xu, Yu Qiao, Zhiyong Wu. *OpenICL: An Open-Source Framework for In-context Learning*. Preprint 2023. [Code]

- **Jiacheng Ye**, Zhiyong Wu, Jiangtao Feng, Tao Yu, Lingpeng Kong. *Compositional Exemplars for In-context Learning*. In ICML 2023. [Code]

- Jiahui Gao*, Renjie Pi*, Yong Lin, Hang Xu, **Jiacheng Ye**, Zhiyong Wu, Xiaodan Liang, Zhenguo Li, Lingpeng Kong. *Self-Guided High-Quality Data Generation in Efficient Zero-Shot Learning*. In ICLR 2023, spotlight.

- **Jiacheng Ye**, Jiahui Gao, Zhiyong Wu, Jiangtao Feng, Tao Yu, and Lingpeng Kong. *ProGen: Progressive Zero-shot Dataset Generation via In-context Feedback*. In EMNLP-Findings 2022, long paper. [Code]

- **Jiacheng Ye***, Jiahui Gao*, Qintong Li, Hang Xu, Jiangtao Feng, Zhiyong Wu, Tao Yu, Lingpeng Kong. *ZeroGen: Efficient Zero-shot Learning via Dataset Generation*. In EMNLP 2022, long paper. [Code]

- **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

**Shanghai Artificial Intelligence Laboratory - Research Intern**          2021.11 - *present*
- Mentor: Lingpeng Kong.
- Research about Pre-trained Language Model (PLM) and Text Generation.

**Tencent - Research Intern**          2021.06 - 2021.11
- Mentor: Zhihui Lao and Lifeng Wang.
- Research about the consistency problem in the cascade architecture of industrial advertising system.

**NetEase - Engineering Intern**          2018.08 - 2018.12
- Worked on data engineering with Hadoop, Spark, Hive, etc.

## HONORS & AWARDS

- Outstanding graduate of Shanghai, Shanghai, 2022.
- National Scholarship (1%), Ministry of Education of China, 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.