

Rong Ye

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EDUCATION

Fudan University

Master of Science in Applied Statistics; GPA: 3.60/4.00 (Top 2)

- **Advisor:** Prof. Zhongyu Wei, Fudan DISC NLP group

Shanghai, China

Sep 2018 – Jun 2020

National University in Singapore

Non-graduate Exchange Program; GPA: 5.00/5.00

Singapore

Aug 2016 – Dec 2016

Fudan University

Bachelor Degree in Statistics; GPA: 3.65/4.00 (Top 15%)

- Outstanding Graduate Student of Fudan University.

Shanghai, China

Sep 2014 – Jun 2018

EXPERIENCE

ByteDance

Research Engineer, from Intern to FTE

- **Research:** Proposed new algorithms for automatic text generation tasks, such as increasing the variations for *data-to-text generation*, *speech-to-text translation*.
- **Industry:** Cooperated with the departments of advertising and searching, help them to improve the quality of automatic advertisement generation and query word generation.

Shanghai, China

Apr 2019 – Present

Shanghai YITU Technology Co.,ltd

Algorithm Research Intern, R&D department

- Studied how to improve the performance of **large-pose face detection**: reading related papers; finding and collecting open dataset; reimplementing the deep learning algorithms, which outperforms the current performance in the face detection group; writing experiment documents
- Read papers on **face alignment** and presented the state-of-the-art models and cleaned up datasets.

Shanghai, China

July 2018 – Sep 2018

Nine Martingale Investment Management Co.,ltd

Quantitative Investment Research Intern

- Read researching reports on quantitative investment, build models, discuss with colleague, and evaluate the performances.
- Models realized: prediction the rise and fall stock price based on HMM, index wave separation via MACD.

Shanghai, China

May 2017 – Aug 2017

PUBLICATIONS & PREPRINTS (* MEANS EQUAL CONTRIBUTION)

- [1] **Rong Ye**, Mingxuan Wang, and Lei Li. Cross-modal contrastive learning for speech translation. In *Proceedings of NAACL-HLT*, 2022.
- [2] Siqi Ouyang, **Rong Ye**, and Lei Li. On the impact of noises in crowd-sourced data for speech translation. In *Proceedings of ACL-IWSLT*, 2022.
- [3] **Rong Ye***, Chengqi Zhao*, Tom Ko, Chutong Meng, Tao Wang, Mingxuan Wang, and Jun Cao. Gigast: A 10,000-hour pseudo speech translation corpus. *arXiv preprint arXiv:2204.03939*, 2022.
- [4] Qingkai Fang, **Rong Ye**, Lei Li, Yang Feng, and Mingxuan Wang. STEMM: Self-learning with speech-text manifold mixup for speech translation. In *Proceedings of ACL*, 2022.
- [5] Chengqi Zhao, Zhicheng Liu, Jian Tong, Tao Wang, Mingxuan Wang, **Rong Ye**, Qianqian Dong, Jun Cao, and Lei Li. The voltrans neural speech translation system for iwslt 2021. In *Proceedings of ACL-IWSLT 2021*, 2021.
- [6] **Rong Ye**, Mingxuan Wang, and Lei Li. End-to-end speech translation via cross-modal progressive training. In *Proceedings of INTERSPEECH*, 2021.

- [7] Qianqian Dong, **Rong Ye**, Mingxuan Wang, Hao Zhou, Shuang Xu, Bo Xu, and Lei Li. Listen, understand and translate: Triple supervision decouples end-to-end speech-to-text translation. In *Proceedings of AAAI*, 2021.
- [8] Chengqi Zhao, Mingxuan Wang, Qianqian Dong, **Rong Ye**, and Lei Li. Neurst: Neural speech translation toolkit. In *Proceedings of ACL: System Demonstrations*, 2021.
- [9] **Rong Ye**, Wenxian Shi, Hao Zhou, Zhongyu Wei, and Lei Li. Variational template machine for data-to-text generation. In *Proceedings of ICLR*, 2020.

SKILLS

Programing Languages: Python > C > C++; **Statistical Software:** R, SAS

Python Packages: Tensorflow, PyTorch, Sklearn, Numpy, etc.

Languages: Mandarin (Native), English (Professional), Wu dialect (Native)

ACHIEVEMENTS

Scholarship for New Graduate Students (Rank 2nd), School of Data Science, Fudan University, 2018.

Outstanding Graduate Student of Fudan University, 2018.

Scholarship for Outstanding Student, for 4 seductive years from 2015 – 2018.

The Mathematical Contest in Modeling (MCM/ICM), Meritorious Winner, 2012

National Olympiad in Informatics in Provinces (NOIp) First prize, 2012 when I was in high school

VOLUNTARY WORKS

The CCF Conference on Natural Language Processing and Chinese Computing (NLPCC) 2022
Program Committee

The NVIDIA GTC Conference *March 2022*
Conference Speaker — *Speech Translation Systems: From Industrial Applications to Advanced Research*