

# Rong Ye

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## EDUCATION

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### 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

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### 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*. I also involve in interviewing candidates and supervising interns in the speech translation research.
- **Industry:** Cooperated with the departments of advertising and searching, help them to improve the quality of automatic advertisement generation, query word generation and entity explanation word generation for *Toutiao Baike*. These industrial works have brought direct, measurable benefits to the company, such as improved quality of auto-generated text and increased page views.

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)

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- [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 volctrans 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

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**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

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**Scholarship for New Graduate Students** (Rank  $2^{nd}$ ), 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, 2017

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

## VOLUNTARY WORKS

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

**China National Conference on Computational Linguistics (CCL)** 2022  
*Reviewer*

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