

# Renze Lou

Phone: (86) 177 6721 6840

Email: marionojump0722@gmail.com

[Personal Website](#)

## EDUCATION

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**Zhejiang University City College (ZUCC)**, Hangzhou, China Sept 2018-Jul 2022  
Bachelor of Engineering in Software Engineering    GPA: 3.88/4.0    Average Score: 89.79/100    Rank: 2/66

## SELECTED PUBLICATIONS

(\* indicates equal contribution)

- Yutong Wang\*, **Renze Lou\***, Kai Zhang\*, Maoyan Chen and Yujiu Yang. MORE: A Metric Learning Based Framework for Open-Domain Relation Extraction. In ICASSP 2021.
  - Accomplish the whole paper writing and the rebuttal letter.
  - Study intensively in related fields, improve our methodology with VAT strategy, gain a better performance.
  - Lead and design all the experiments, complete most of the codes (90%).
- Weicheng Ma\*, Kai Zhang\*, **Renze Lou**, Lili Wang and Soroush Vosoughi. Contributions of Transformer Attention Heads in Multi- and Cross-lingual Tasks. In ACL 2021 (**Long Oral**).
  - Participate in collecting massive NLP corpus and help design experiment settings.
  - Handle the NER task of our experiments. Help refine our algorithm according to the observation on head-masked distribution and some other unexpected results.
- Weicheng Ma\*, **Renze Lou\***, Kai Zhang, Lili Wang and Soroush Vosoughi. GradTS: A Gradient-Based Automatic Auxiliary Task Selection Method Based on Transformer Networks. In EMNLP 2021.
  - Write the details of experiments, participate designing the paper layout, provide the materials used in paper.
  - Think up several intuitive control experiments to improve our experimental design.
  - Lead all the experiments, complete most of our codes and reproduce the strong closed-source baseline.

## RESEARCH EXPERIENCE

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Remote Research Intern. Minds, Machines and Society Group.	Dartmouth College
Advisor: <a href="#">Soroush Vosoughi</a> , <a href="#">Google Scholar</a>	Oct 2020-Aug 2021
Remote Research Intern. Intelligent Computing Laboratory.	Tsinghua University
Advisor: <a href="#">Yujiu Yang</a> , <a href="#">Research Gate</a>	Jun 2020-Oct 2020
Research Assistant. Institute of Artificial Intelligence.	Zhejiang University City College
Advisors: <a href="#">Lin Sun</a> , <a href="#">Google Scholar</a> and <a href="#">Minghui Wu</a> , <a href="#">Google Scholar</a>	May 2020-Mar 2021

## WORK EXPERIENCE

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<b>Hangzhou Maixiang Health Technology Co., Ltd</b>	<i>Zhejiang, China</i>
<i>Jul 2021- Sept 2021</i>	<i>NLP Algorithm Intern</i>

- Research on the Application of Traditional Chinese Medical Knowledge Graph

## PROJECTS

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<b>1. Research on Open Relation Extraction in Medical Therapeutic Recording</b>	<i>Leader; May 2021- May 2022</i>
National Innovation Training Program for College Students (202113021002)	15,000 RMB
<b>2. Research on Named Entity Recognition in Social Media</b>	<i>Member; May 2021-May 2022</i>
National Innovation Training Program for College Students (202113021003)	15,000 RMB

## SERVICES

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**External Reviewer:** EMNLP 2021; IJCAI 2021; JIFS.

**Leadership:** Co-Founder of [CCAI](#) (the first institution for Artificial Intelligence at ZUCC).

**Teaching Assistance:** Deep Learning Application Development; Object-oriented Programming.

## SKILLS

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**Programming:** Python;  $\text{\LaTeX}$ ; Java; C/C++; Matlab.

**Tools:** Pytorch; Transformers (huggingface); Keras; Scikit-learn.