Chengzu Li

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[Personal Page] ⋄ [Google Scholar] ⋄ [Semantic Scholar]

RESEARCH FOCUS

Natural Language Processing, Multimodality, Spatial Reasoning, Natural Language Grounding, In-Context Learning

EDUCATION

Language Technology Lab, University of Cambridge, *Cambridge, UK*
Ph.D. in Computation, Cognition and Language *2023 - current*
- Supervised by Dr. Ivan Vulić, fully funded by Cambridge Trust.

University of Cambridge *Cambridge, UK*
M.Phil. in Advanced Computer Science; Graduated with Distinction (81.7/100) *2022 - 2023*
- Supervised by Prof. Simone Teufel, fully funded by Cambridge Trust.
- M.Phil. thesis: Generating Instructions for Grounded Robot Navigation (*Distinction*)

Xi'an Jiaotong University, *Xi'an, China*
B.Eng. in Automation, minor in Fintech; GPA: 91.96/100 (top 5%) *2018 - 2022*
University of Hong Kong *Hong Kong*
Exchange student in Computer Engineering; GPA: 4.08/4.3 *Jan. 2021 - Jun. 2021*
Student Research Assistant in Dept. of Computer Science *Jul. 2021 - Sept. 2021*

PUBLICATIONS

TopViewRS: Vision-Language Models as Top-View Spatial Reasoners
EMNLP 2024, [Website] *Jan. 2024 - Jun. 2024*
Non-archival at ACL 2023 SpLU Robo Workshop (Oral), ECCV 2024 Eval-Fomo Workshop
Chengzu Li*, Caiqi Zhang*, Han Zhou, Nigel Collier, Anna Korhonen, Ivan Vulić

Can Large Language Models Achieve Calibration with In-Context Learning?
ICLR 2024 Workshop on Reliable and Responsible Foundation Models *Sept. 2023 - Dec. 2023*
Chengzu Li, Han Zhou, Goran Glavaš, Anna Korhonen, Ivan Vulić

Semantic Map-based Generation of Navigation Instructions
COLING-LREC 2024 *Jan. 2023 - May. 2023*
Chengzu Li, Chao Zhang, Simone Teufel, Rama Sanand Doddipatla, Svetlana Stoyanchev

Generating Data for Symbolic Language with Large Language Models
EMNLP 2023 *Jul. 2022 - Dec. 2022*
Jiacheng Ye, **Chengzu Li**, Lingpeng Kong, Tao Yu

Binding Language Models in Symbolic Languages
ICLR 2023 Spotlight *Feb. 2022 - Oct. 2022*
Zhoujun Cheng*, Tianbao Xie*, Peng Shi, **Chengzu Li**, Rahul Nadkarni, Yushi Hu, Caiming Xiong, Dragomir Radev, Mari Ostendorf, Luke Zettlemoyer, Noah A. Smith, Tao Yu

UnifiedSKG: Unifying and Multi-Tasking Structured Knowledge Grounding with Text-to-Text Language Models
EMNLP 2022 Oral *Jun. 2021 - Jan. 2022*
Tianbao Xie*, Chen Henry Wu*, Peng Shi, Ruiqi Zhong, Torsten Scholak, Michihiro Yasunaga, Chien-Sheng Wu, Ming Zhong, Pengcheng Yin, Sida I. Wang, Victor Zhong, Bailin Wang, **Chengzu Li**, Connor Boyle, Ansong Ni, Ziyu Yao, Dragomir Radev, Caiming Xiong, Lingpeng Kong, Rui Zhang, Noah A. Smith, Luke Zettlemoyer, Tao Yu

(*: equal contribution)

PROFESSIONAL EXPERIENCES

GenAI Group, Microsoft Research
Research Intern, working with Wenshan Wu on multimodal spatial reasoning. *Jun. 2024 - Dec. 2024*
Department of Theoretical and Applied Linguistics, University of Cambridge
Teaching Assistant for practical sessions of Li18 Computational Linguistics. *Oct. 2023 - current*
Toshiba Cambridge Research Laboratory
Research Intern, working with Svetlana Stoyanchev, Chao Zhang, Rama Doddipatla *Jan. 2023 - Jul. 2023*
Shanghai Artificial Intelligence Laboratory
Research Intern, NLP Group, with Dr. Lingpeng Kong *Oct. 2021 - Jan. 2022*
University of Hong Kong (2021 HKU CS Research Internship Programme)
Research Intern, NLP Group, with Dr. Lingpeng Kong and Dr. Tao Yu *Jul. 2021 - Oct. 2021*
Xiamen Dianchu Technology Co., Ltd.
Algorithm Engineer (Intern), Research & Development Center *Jul. 2020 - Aug. 2020*

SELECTED AWARDS

2024   Scholar of Jesus College, Cambridge (for outstanding academic performance)

2023   PhD Scholarship from Cambridge Trust (Fully-Funded)

2022   Masters Scholarship from Cambridge Trust (Fully-Funded)

2019   National Scholarship (Top 1%, highest honor for undergraduates in China)

2019   Excellent Student (Top 10% among 5000+ students)