

YINGSHAN CHANG

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Research Keywords: Reasoning, Generalization, Mechanistic Interpretability

EDUCATION

Carnegie Mellon University , Ph.D. in Language Technologies	2022 — 2027
Carnegie Mellon University , M.S. in Language Technologies	2020 — 2022
• Advisor: Yonatan Bisk	GPA: 4.12/4.3
Hong Kong University of Science and Technology , B.S. in Computer Science and Mathematics	2016-2020
• Undergraduate Research Advisor: Qifeng Chen	GPA: 4.04/4.3

PUBLICATIONS

1. Liangke Gui, **Yingshan Chang**, Qiuyuan Huang, Subhojit Som, Alexander G Hauptmann, Jianfeng Gao and Yonatan Bisk. “Training Vision-Language Transformers from Captions” In Transactions on Machine Learning Research, pp. 2835-8856. 2023 (*to appear*).
2. **Yingshan Chang**, Mridu Narang, Hisami Suzuki, Guihong Cao, Jianfeng Gao, and Yonatan Bisk. “Webqa: Multihop and multimodal qa.” In Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition, pp. 16495-16504. 2022. **Oral**.
3. **Yingshan Chang**, and Yonatan Bisk. “WebQA: A Multimodal Multihop NeurIPS Challenge.” In NeurIPS 2021 Competitions and Demonstrations Track, pp. 232-245. PMLR, 2022.

INDUSTRY EXPERIENCE

Amazon AlexaAI , Research Intern	Summer 2023
• Manager: Govind Thattai	
• Mentor: Feng Gao	
Microsoft Research , Research Intern	Summer 2022
• Manager: Jianfeng Gao	
Bank of China Software Center , Software Engineering Intern	Summer 2018

PROFESSIONAL SERVICE

Conference Review Committees

ICLR 24
TMLR 23, 22
EMNLP 23, 22
NeurIPS 23, 22
CVPR 24, 23
ICML 24, 23
ACL 23

DEPARTMENTAL SERVICE

Teaching Assistant: 11777 Multimodal Machine Learning , <i>Carnegie Mellon University</i>	Spring 2024 & Spring 2023
MLT/PhD Admissions Committee Student Volunteer , <i>Carnegie Mellon University</i>	2022 – 2023
Graduate Application Support Program Mentor , <i>Carnegie Mellon University</i>	2021 – 2022
Student Ambassador , <i>Hong Kong University of Science and Technology</i>	2017 – 2020
Student Lab Helper , <i>Hong Kong University of Science and Technology</i>	Fall 2018

AWARDS

Carnegie Mellon University Research Fellowship , <i>Carnegie Mellon University</i>	2020 – 2022
Academic Achievement Medal , <i>Hong Kong University of Science and Technology</i>	2020
Bachelor Degree First Class Honor , <i>Hong Kong University of Science and Technology</i>	2020
Dean's List , <i>Hong Kong University of Science and Technology</i>	2016 – 2020
University's Scholarship Scheme for Continuing Undergraduate Students	2016 – 2019
The Cheng Foundation Scholarships for Chinese Mainland Undergraduate Students	2018 – 2019
The Hong Kong Electric Co.Ltd. Scholarship	2017 – 2018
Mingxi Youth Award Scheme	2017 – 2018

SKILLS

Tools and Programming	Python, PyTorch, Git, \LaTeX , Markdown, Numpy, HTML/CSS, JavaScript, Java, Matlab, R, d3
Communication	Mandarin (native), English (proficient), French (beginner)