

EDUCATION

- The Chinese University of Hong Kong (CUHK)** Hong Kong SAR, China
Ph.D. in Computer Science and Engineering; Advisor: Prof. Michael R. Lyu 2023 – 2027 (expected)
– **Research Interest:** UI to code generation; Reliability of large language models and multi-modal models.
- The Chinese University of Hong Kong (CUHK)** Hong Kong SAR, China
B.Eng. in Artificial Intelligence: Systems and Technologies With Honours, First Class 2019 – 2023
– Cumulative GPA: 3.76/4; Major GPA: 3.82/4

PUBLICATIONS

- ISSTA'24** **Y.Wan**, W.Wang, Y.Yang, Y.Yuan, J.Huang, P.He, W.Jiao, M.R.Lyu. “A & B == B & A: Triggering Logical Reasoning Failures in Large Language Models.” in the *33rd ACM SIGSOFT International Symposium on Software Testing and Analysis (ISSTA) 2024*, Under Review. arxiv.org/abs/2401.00757
- ISSTA'24** W.Wang, H.Bai, J.Huang, **Y.Wan**, Y.Yuan, H.Qiu, N.Peng, M.R.Lyu. “New Job, New Gender? Measuring the Social Bias in Image Generation Models.” in the *33rd ACM SIGSOFT International Symposium on Software Testing and Analysis (ISSTA) 2024*, Under Review. arxiv.org/abs/2401.00763
- FSE'23** **Y.Wan**, W.Wang, P.He, J.Gu, H.Bai, M.R.Lyu. “BiasAsker: Measuring the Bias in Conversational AI System.” in Proceedings of the 31st ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE), 2023. DOI: 10.1145/3611643.3616310
- Preprint** H.Wu, W.Wang, **Y.Wan**, W.Jiao, M.R.Lyu. “Chatgpt or Grammarly? Evaluating ChatGPT on Grammatical Error Correction Benchmark.” Preprint, 2023. arxiv.org/abs/2303.13648
- Preprint** T.Yu, **Y.Wan**, S.Ma. “Projection Robust Optimal Transport Between Unbalanced Distributions.” Preprint, 2022. [Paper]

EXPERIENCES

- University of California Davis** Davis, CA, USA
Visiting Scholar (Advisor: Prof. Shiqian Ma) May 2022 - Jul 2022
– Optimization: Proposed a new model on the Projection Robust Wasserstein distance in unbalanced optimal transport.
- Qleap Business Solutions Limited** Hong Kong SAR, China
Developer (Internship) Sep 2021 - Nov 2021
– Computer Vision: Processing camera sensor data into human-readable information.

SCHOLARSHIPS AND AWARDS

- Dean's List (Top 10%), 2021, 2022, 2023 Faculty of Engineering, CUHK
Germaine She Wong Scholarship, 2023 C.W.Chu College, CUHK
Outstanding Academic Performance, 2022 Dept. of Computer Science, CUHK

Liu Shai-Tat and Yu Chi-Hing Memorial Scholarship, 2022	C.W.Chu College, CUHK
Reaching Out Award, 2022	CUHK
Professor Charles K. Kao Research Exchange Scholarship, 2022	CUHK
ELITE Stream Scholarship, 2021	Dept. of Computer Science, CUHK
Samson Leung Scholarship, 2021	C.W.Chu College, CUHK
The Best Essay Award for the General Education Foundation Program, 2019	CUHK

SKILLS

- **Languages:** Mandarin, Cantonese, English
- **Coding:** Python, C++, HTML/CSS, Javascript
- **Frameworks:** PyTorch, Pandas, Selenium