

Ryan Yen

<https://ryanyen2.github.io/>

Human-Computer Interaction Researcher

Email : r4yen@uwaterloo.ca

Mobile: +1 (548) 255-4429

Google Scholar - Github - LinkedIn

EDUCATION

-
- **MMath in Computer Science (Thesis), School of Computer Science** University of Waterloo, Canada
Supervisor: Jian Zhao; Full Scholarship; TA CS649 (HCI); CGPA 4.0/4.0 Jan 2023 - Current
 - **Bachelor of Computer Science, Department of Computer Science** City University of Hong Kong
Supervisor: Dr. Zhicong Lu; Full Scholarship; Major GPA: 3.72/4.3 Aug 2018 - May 2022

PUBLICATIONS

-
- **Ryan Yen**, Jiawen Zhu, Sangho Suh, Haijun Xia, and Jian Zhao. “CoLadder: Supporting Programmers with Hierarchical Code Generation in Multi-Level Abstraction” *arXiv:2310.08699*, Oct. 2023.
 - **Ryan Yen***, Li Feng*, Youzhe Yu, Mingming Fan, Jian Zhao and Zhicong Lu. “CoPrompt: Supporting Prompt Sharing and Referring in Collaborative Natural Language Programming” *arXiv:2310.09235*, Oct. 2023.
 - **Ryan Yen**, Li Feng, Brinda Mehra, Ching Christie Pang, Siying Hu and Zhicong Lu. “StoryChat: Designing a Narrative-Based Viewer Participation Tool for Live Streaming Chatrooms.” **CHI2023: Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems**.
 - Siying Hu, **Ryan Yen**, Ziwei Yu, Mingjian Zhao, Katie Seaborn, Can Liu. “Wizundry: A Cooperative Wizard of Oz Platform for Simulating Future Speech-based Interfaces with Multiple Wizards.” **CSCW2023: Proceedings of the ACM on Human-Computer Interaction**, 7, 1 - 34.
 - Brinda Mehra, Kejia Shen, **Ryan Yen**, Can Liu. “Gist and Verbatim: Understanding Speech to Inform New Interfaces for Verbal Text Composition” **CUI2023: Proceedings of the 5th International Conference on Conversational User Interfaces**.

PROFESSIONAL EXPERIENCE

-
- **Research Assistant, DEER Lab/ ERFI Lab** Hong Kong
Supervisor: Dr. Zhicong Lu/ Dr. Can Liu May 2021 - Jun 2022
 - **AI Research Intern, Huawei Research Center** Hong Kong
Lung Cancer Detection, Computer Vision, AI Explainability in pathology diagnosis May 2021 - Jun 2022
 - **CTO, Co-founder, Nérocean** Hong Kong
600,000 HKD funding from HK Government & HKTech300 from CityU & Hong Kong Science Park Apr 2021 - Oct 2021
 - **Full-stack Intern, Network World Technology Ltd.** Hong Kong
Cross-platform Interface, data visualization; ReactJS; Docker; K8s; Google Cloud Platform; NodeJS Sep 2020 - May 2021

SCHOLARSHIP & AWARDS

-
- **International Masters Award Excellence**: 7,500 CAD per year; 2023 - 2025
 - **UWaterloo Grad Scholarship**: 4,000 CAD per year; 2023 - 2025
 - **CityU International Student Scholarship**: 12,000 HKD per year; 2019 - 2022
 - **HKSAR Government Scholarship Fund, Reaching Out Award**: 10,000 HKD; 2021
 - **HK STEM Internship Scholarship**: 8,000 HKD; 2021

COMMUNITY LEADERSHIP

-
- **Organizer, Google Developers Group**: Google Devfest, Google Cloud Summit, Google I/O Extend
 - **Lead, Google Developers Student Group**: Google DSC CityU, Google Solution Challenge
 - **Lead, Microsoft Ambassador**: Microsoft Learn Ambassador Medal, Azure workshops
 - **Lead, AWS Educate Ambassador**: Program Leader, AWS Cloud AI workshop, AWS leadership seminar
 - **Lead, CityU IT Team**: Python workshops, Tech seminar and talks
 - **Vice President, CS Student Chapter**: Coding competition, CityU Hackathon and tech workshops

VOLUNTEER

-
- **Stage actor**: Mikado Children Theatre
 - **Violinist**: QiYan Orchestra, Taipei Hospital
 - **International Educational Volunteer**: QingMai, Thailand; Yunan, China