Ryan Yen

https://ryanyen2.github.io/
Human-Computer Interaction Researcher

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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*, Yuzhe You, 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 Assitant, 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, Networld 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