

# Ryan Yen

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

Human-Computer Interaction Researcher

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Google Scholar Github LinkedIn

## EDUCATION

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- **University of Waterloo** Full Scholarship  
*Thesis-based Masters in Computer Science* Jan 2023 - Current
- **City University of Hong Kong** Full Scholarship  
*Bachelor of Computer Science* Aug 2018 - May 2022

## PUBLICATIONS

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- **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." *CSCW 2023: 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" *CUI 2023: Proceedings of the 5th International Conference on Conversational User Interfaces*.

## PROFESSIONAL EXPERIENCE

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- **Huawei Research Center** Hong Kong  
*AI Research Intern* May 2021 - Jun 2022
  - **Applied Research:** Lung Cancer Detection, CV, AI Explainability in pathology diagnosis
  - **Organizer:** MindSpore Pathology Diagnosis AI Challenge
- **Nérocean** Hong Kong  
*CTO, Co-founder* Apr 2021 - Oct 2021
  - **Funding:** 600,000 HKD funding from HK Government & HKTech300 from CityU & Hong Kong Science Park
  - **Technique:** Ocean water sensor Dissolved Oxygen prediction AI model, Machine-Learning based self-developed real-time classifier for ocean water health prediction
- **Networld Technology Ltd.** Hong Kong  
*Full-stack Intern* Sep 2020 - May 2021
  - **Skills:** Cross-platform user interface, data visualization in nearD admin pane; Several Campaign Websites built with Lederal and React; Docker, K8s containerized and auto deployment to Google Cloud; Server side network and API management and scaling; CI/CD and two-step authorization on IP network restriction

## SCHOLARSHIP & AWARDS

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- **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

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- **Organizer, Google Developers Group:** Google Devfest, Google Cloud Summit, Google I/O Extend
- **Lead, Google Developers Student:** 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
- **IEEE eta Kapa Nu:** NCTU IEEE student chapter
- **Lead, CityU IT Team:** Python workshops, Tech seminar and talks
- **Organizer, CityU Apps Lab:** CityU EE, CS community organizer
- **Vice President, CS Student Chapter:** Coding competition, CityU Hackathon and tech workshops

## VOLUNTEER

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- **Stage actor:** Mikado Children Theatre
- **Violinist:** Taipei Hospital
- **International Educational Volunteer:** Thailand, Mainland China