

Yigang Qin

City University of Hong Kong
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<https://yigangqn.github.io/>

Education

City University of Hong Kong

2019 – 2023 (exp.)

B.S., Computer Science. Minor in Modern and Contemporary Chinese Literature
Advisor: Dr. Zhicong Lu

Publication & Working Papers

Liu, Z.*, **Qin, Y.***, Zou, H.*, Paek, E.J., Casenhiser, D., Zhou, W., & Zhao, X. (In Press). Generating Natural Language Responses in Robot-mediated Referential Communication Tasks to Simulate Theory of Mind. 10 pages. *14th International Conference on Social Robotics*. *equal contribution

Qin, Y., Duan, W., Wu, Q., & Lu, Z. Dismantling Gender Blindness in the Crime / Gender Dichotomy. 24 pages.

Zhang, Y., **Qin, Y.**, Yen, H.C., & Lu, Z. Is it Truly Scientific? Popular Science Videos on Bilibili. 20 pages.

Academic Experience

Research

Digital Engagement, Empowerment, and Reinforcement (DEER) Lab

2021 – 2023 (exp.)

Research Assistant | Advised by Dr. Zhicong Lu

City University of Hong Kong

- Fire-safety learning in virtual reality to reduce inequality in access to information
Designed, implemented, tested the app.
Conducted eight user test sessions with questionnaires and interviews.
- Study online science communication videos and user engagement through Danmaku
Qualitatively analyzed and coded video features and Danmaku data.
Wrote corresponding part of methods, findings, and discussion sections in the manuscript.
- Study public framing and counter-framing of a gender-based violence incident on a Chinese social media
Web-scraped social media posts.
Classified posts' perspectives through machine learning.
Identified public opinions through topic modeling.
Analyzed posts through feminist discourse analysis.
Wrote most of the manuscript.
- Designing an Augmented-Reality-based workflow for community awareness and agency in a relocated fishing village
Conducted community fieldwork.

Joint Institute for Computational Sciences

Summer 2022

REU Research Intern | Advised by Prof. Xiaopeng Zhao

University of Tennessee, Knoxville

Design, develop, and test a Theory of Mind (ToM) informed dialog agent used in referential communication tasks

Teaching

JC2066 – IT Professionals: Ethical, Legal and Social Issues

Summer 2022

Student Helper | Supervised by Dr. Zhicong Lu

City University of Hong Kong

Prepare course materials and design tutorial activities on information technology ethics.

Programming and Fundamental Computer Science Courses

Spring 2022

Student Helper | Supervised by Dr. Ka Chun LEE

City University of Hong Kong

Respond to students' questions about programming and fundamental knowledge of computer science.

Poster Presentation

Research Experiences for Undergraduates (REU) Poster Symposium

Zou, H., **Qin, Y.**, Liu, Z., Zhao, X., & Wong, K. Human-Robot Communication with Perceived Theory of Mind: A Simulation of Smart Agent in Referential Communication Task. Jul 2022. University of Tennessee, Knoxville.

Awards & Scholarships

HKSAR Government Scholarship – Reaching Out Award

2022

Hong Kong, China – Asia-Pacific Economic Cooperation Scholarship

2022

Dean's List, City University of Hong Kong

2020, 2021, & 2022

Professional Experience

SmarTone Telecommunications Holdings Ltd.

2022 – 2023 (exp.)

Work-Study Trainee (Web Development)

Hong Kong

Extracurricular Activities

Hexin Social Work Service Center (Non-profit Organization)

Summer 2021

Voluntary Support Education Teacher

Yiliang County, Yunnan Province, China

Humanities and Social Sciences Reading Group

2020 – 2022

Organizer & Leader

City University of Hong Kong

Chinese Students and Scholars Association, Undergraduate

2019 – 2020

Publicity Secretary

City University of Hong Kong

Research Skills

Qualitative: Interview, Photovoice, Discourse Analysis, and Participant Observation

Quantitative: Survey, and Statistics

Computational: Natural Language Processing (NLP), and Machine Learning Tools

Last Updated: November, 2022