

## EDUCATION

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### Hong Kong University of Science and Technology

Ph.D. in Computer Science and Engineering, Advisor: Bo Li

– GPA: 3.83/4.3

Hong Kong SAR, China

Sept. 2020–Current

### Fudan University

B.S. in Advanced Class of Computer Science, Advisor: Tun Lu, Yangfan Zhou

– GPA: 3.67/4.0    Ranking: top 10%

Shanghai, China

Sept. 2016–June 2020

## RESEARCH INTERESTS

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- Human-computer interaction, computer-supported cooperative work, health communication, crisis communication, video and live streaming, accessibility

## PUBLICATIONS

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*\* indicates an equal contribution.*

### Peer-reviewed Journals

- [J6] **Changyang He**, Lu He, Zhicong Lu, Bo Li. “I Have to Use My Son’s QR Code to Run the Business”: Unpacking Senior Street Vendors’ Challenges in Mobile Money Collection in China. In Proceedings of the ACM on Human-Computer Interaction Volume 7, CSCW 2023.
- [J5] **Changyang He**<sup>\*</sup>, Yue Deng<sup>\*</sup>, Wenjie Yang, Bo Li. “Help! Can You Hear Me?”: Understanding How Help-Seeking Posts are Overwhelmed on Social Media during a Natural Disaster. In Proceedings of the ACM on Human-Computer Interaction Volume 6, CSCW 2022. **Impact Recognition Award**
- [J4] Lu He, **Changyang He**. Help Me #DebunkThis: Unpacking Individual and Community’s Collaborative Work in Information Credibility Assessment. In Proceedings of the ACM on Human-Computer Interaction Volume 6, CSCW 2022.
- [J3] **Changyang He**, Huan Liu, Lu He, Tun Lu, Bo Li. More Collaboration, Less Seriousness: Investigating New Strategies for Promoting Youth Engagement in Government-Generated Videos during the COVID-19 Pandemic in China. In Computers in Human Behavior 2022.
- [J2] **Changyang He**, Lu He, Tun Lu, Bo Li. Beyond Entertainment: Unpacking Danmaku and Comments’ Role of Information Sharing and Sentiment Expression in Online Crisis Videos. In Proceedings of the ACM on Human-Computer Interaction Volume 5, CSCW 2021.
- [J1] Lu He<sup>\*</sup>, **Changyang He**<sup>\*</sup>, Tera L Reynolds, Qiushi Bai, Yicong Huang, Chen Li, Kai Zheng, Yunan Chen. Why do people oppose mask wearing? A comprehensive analysis of US tweets during the COVID-19 Pandemic. In Journal of the American Medical Informatics Association 2021. **Editor’s Choice**

### Peer-reviewed Conference Proceedings

- [C6] **Changyang He**, Lu He, Zhicong Lu, Bo Li. Seeking Love and Companionship through Streaming: Unpacking Livestreamer-moderated Senior Matchmaking in China. In Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems. (CHI 2023)
- [C5] Yu Zhang, **Changyang He**, Huanchen Wang, Zhicong Lu. Understanding Communication Strategies and Viewer Engagements of Science Knowledge Videos on Bilibili. In Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems. (CHI 2023)
- [C4] Beiyang Cao, **Changyang He**, Muzhi Zhou, Mingming Fan. Sparkling Silence: Practices and Challenges of Livestreaming Among Deaf or Hard of Hearing Streamers. In Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems. (CHI 2023)
- [C3] Yawen Guo, Jun Zhu, Yicong Huang, Lu He, **Changyang He**, Chen Li, Kai Zheng. Public Opinions toward COVID-19 Vaccine Mandates: A Machine Learning-based Analysis of U.S. Tweets. In Proceedings of the 2022 AMIA Annual Symposium. (AMIA 2022) **Second Place in Student Paper Competition Finalist**
- [C2] Yuhu Chang\*, **Changyang He\***, Yingying Zhao, Tun Lu, Ning Gu. 2021. “A High-Frame-Rate Eye-Tracking Framework For Mobile Devices.” In Proceedings of the 2021 IEEE International Conference on Acoustics, Speech, and Signal Processing. (ICASSP 2021)
- [C1] Lu He, **Changyang He**, Yue Wang, Zhaoxian Hu, Kai Zheng, Yunan Chen. 2020. “What Do Patients Care About? Mining Fine-grained Patient Concerns from Online Physician Reviews Through Computer-Assisted Multi-level Qualitative Analysis.” In Proceedings of the 2020 AMIA Annual Symposium. (AMIA 2020) **Student Paper Competition Finalist**

## MANUSCRIPTS

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- [M1] **Changyang He**, Lu He, Wenjie Yang, Bo Li. Images Connect Us Together: Navigating Local Outbreaks Through Social Media Images in the Aftermath of a Public Health Crisis. (Major Revision Submitted to CSCW 2024)
- [M2] **Changyang He**, Yue Deng, Lu He, Qingyu Guo, Yu Zhang, Zhicong Lu, Bo Li. Engage Wider Audience or Facilitate Quality Answers? a Mixed-methods Analysis of Questioning Strategies for Research Sensemaking on a Community Q&A Site. (Major Revision Submitted to CSCW 2024)

## VISITING AND INTERNSHIP

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<b>École Polytechnique Fédérale de Lausanne</b> Research Assistant, Advisor: Pearl Pu	Lausanne, Switzerland June 2022 –Aug. 2022
<b>University of California, Irvine</b> Research Assistant, Advisor: Kai Zheng, Yunan Chen	Irvine, USA July 2019 –Aug. 2019
<b>Dartmouth College</b> Research Assistant, Advisor: Xingdong Yang	Hanover, USA Jan. 2019 –Mar. 2019

## SCHOLARSHIPS AND AWARDS

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- Impact Recognition Award (CSCW 2022) [J5] 2022
- Second Place in Student Paper Competition Finalist (AMIA 2022) [C3] 2022
- Editor’s Choice of Journal of American Medical Informatics Association (JAMIA) [J1] 2021

- Student Paper Competition Finalist (AMIA 2020) [C1] 2020
- RedBird Academic Excellence Award, HKUST 2022–2023
- Outstanding Graduate of Shanghai (5%) 2020
- Honor Graduate of Advanced Class (5%, 5000 CNY), Fudan University 2020
- Fudan Oversea Visiting Student Stipend (15000 CNY) 2019
- Outstanding Undergraduate of Fudan University (10%) 2017–2018
- First Grade Scholarship of Fudan University (5%) 2017

## TALKS AND PRESENTATIONS

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- “Seeking Love and Companionship through Streaming: Unpacking Livestreamer-moderated Senior Matchmaking in China.”  
CHI 2023, Hamburg, Germany. April 2023
- “Understanding How Help-Seeking Posts are Overwhelmed on Social Media during a Natural Disaster.”  
CSCW 2022, Virtual Event. (Co-present with Yue Deng) Nov. 2022
- “Beyond Entertainment: Unpacking Danmaku and Comments’ Role of Information Sharing and Sentiment Expression in Online Crisis Videos.”  
CSCW 2021, Virtual Event. Nov. 2021
- “A High-Frame-Rate Eye-Tracking Framework For Mobile Devices.”  
ICASSP 2021, Virtual Event. June 2021
- “What Do Patients Care About? Mining Fine-grained Patient Concerns from Online Physician Reviews Through Computer-Assisted Multi-level Qualitative Analysis.”  
AMIA Annual Symposium 2020, Virtual Event. (Co-present with Lu He) Nov. 2020

## TEACHING

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- Teaching Assistant of COMP3511 (Operating Systems) Fall 2022
- Teaching Assistant of COMP3511 (Operating Systems) Fall 2021
- Teaching Assistant of COMP3511 (Operating Systems) Spring 2021

## PROFESSIONAL SERVICE

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- **Reviewer:** CHI2023, CSCW2023, ICWSM2024
- **Session Chair:** CHI2023