

## 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, crisis communication, health 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. Accepted to CSCW 2023, forthcoming.
- [J5] **Changyang He\***, Yue Deng\*, 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\*, **Changyang He\***, 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. Accepted to CHI 2023, forthcoming.

- [C5] Yu Zhang, **Changyang He**, Huanchen Wang, Zhicong Lu. Understanding Communication Strategies and Viewer Engagements of Science Knowledge Videos on Bilibili. Accepted to CHI 2023, forthcoming.
- [C4] Beiyan Cao, **Changyang He**, Muzhi Zhou, Mingming Fan. Sparkling Silence: Practices and Challenges of Livestreaming Among Deaf or Hard of Hearing Streamers. Accepted to CHI 2023, forthcoming.
- [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] Zhiyang Wu, Wenjie Yang, **Changyang He**, Xiaojuan Ma. Practices and Challenges: Comparing Emergent and Expanding Virtual Volunteer Organizations in Disaster Response during COVID-19. Under Review in CSCW 2023
- [M2] **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. Under Review in CSCW 2023
- [M3] **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. Under Review in CSCW 2023

## VISITING AND INTERNSHIP

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### École Polytechnique Fédérale de Lausanne

Research Assistant, Advisor: Pearl Pu

Lausanne, Switzerland

June 2022 –Aug. 2022

### University of California, Irvine

Research Assistant, Advisor: Kai Zheng, Yunan Chen

Irvine, USA

July 2019 –Aug. 2019

### Dartmouth College

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
- RedBird Academic Excellence Award, HKUST 2022
- Editor’s Choice of Journal of American Medical Informatics Association (JAMIA) [J1] 2021

- Student Paper Competition Finalist (AMIA 2020) [C1] 2020
- 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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- “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