

Xingyu Liu (Bruce)

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Education

- 2020 – now 📌 **Ph.D. Student, University of California, Los Angeles**
Electrical and Computer Engineering, UCLA HCI Lab
Human-AI Interaction, Augmented Reality, Accessibility
Advised by Xiang “Anthony” Chen
- 2016 – 2020 📌 **B.S. in Statistics and Machine Learning, Carnegie Mellon University**
with University Honors
Additional Major in Human-Computer Interaction
Minor in Computer Science

Publications

Conference Proceedings

- [1] **Xingyu Liu**, Joanne Leong, Hanseul Jun, Sven Kratz, Yu Jiang Tham, Andrés Monroy-Hernández, Brian A. Smith, and Rajan Vaish. 2022. Wormholes: exploring distributed connections for remote awareness. In *Currently under review for CHI2022*.
- [2] **Xingyu Liu**, Ruolin Wang, Xiang ‘Anthony’ Chen, and Amy Pavel. 2022. The impact of accessibility metrics on video searching and browsing behavior. In *Currently under review for CHI2022*.
- [3] **Xingyu Liu**, Patrick Carrington, Xiang ‘Anthony’ Chen, and Amy Pavel. 2021. What makes videos accessible to blind and visually impaired people? In *Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems (CHI ’21)* Article 272. Association for Computing Machinery, Yokohama, Japan, 14 pages. ISBN: 9781450380966. 📄 DOI: 10.1145/3411764.3445233.
- [5] Cole Gleason, Amy Pavel, **Xingyu Liu**, Patrick Carrington, Lydia B. Chilton, and Jeffrey P. Bigham. 2019. Making memes accessible. In *The 21st International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS ’19)*. Association for Computing Machinery, Pittsburgh, PA, USA, 367–376. 📄 DOI: 10.1145/3308561.3353792.





Patents

- [6] Bing Liu and **Xingyu Liu**. 2020. Method, device and computer product for predicting disk failure. Patent No. US20200233587A1, CN111459692A. (July 2020).
- [7] Bing Liu and **Xingyu Liu**. 2020. Method, device, and computer program product for facilitating prediction of disk failure. Patent No. US20200133758A1, CN111104293A. (April 2020).



Awards and Honors

- 2020 📌 **Departmental Fellowship**, UCLA ECE Department, \$65,000.
- 2018 📌 **Best Social Impact Award**, TartanHacks (40+ teams).
- 2017 📌 **First Place, Most Technical Award**, HackNY (20+ teams).
- 2016 📌 **Mizuho Scholar**, Mizuho & Wing Hang Bank Scholarship and Charity Funds, \$1,000.
- 2016 – 2020 📌 **Dean’s List**, Carnegie Mellon University.

Research Experience

- 2021 summer  **Snap Research** Research Intern.
AR-based distributed connections for remote awareness between friends.
Paper submitted to CHI.
Advised by Dr. Rajan Vaish and Dr. Brian A. Smith.
- 2019 – 2020  **CMU Accessibility Lab** Research Assistant.
Making social media content (e.g. image, video) more accessible.
Two papers submitted to ASSETS and CHI.
Advised by Prof. Jeffrey Bigham, Prof. Patrick Carrington and Dr. Amy Pavel.
- 2018 – 2020  **CMU CHIMPS Lab** Research Assistant.
Summarizing terms and conditions with crowdsourcing and machine learning.
Paper submitted to CSCW.
Advised by Prof. Jason Hong.
- 2018 summer  **Dell EMC** Machine Learning intern.
ML-based disk failure prediction using SMART and BMS log data.
Two US patents published.

Service

- 2020 – present  **Reviewer**
CHI 2021, CSCW 2020-2021, UIST 2020
- 2015 – 2016  **Volunteer at Braille Without Borders (BWB)**
Volunteered as a teacher in School for the Blind in Tibet (preparatory school) for two summers.