

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
AI/ML for Accessibility, Human-AI Interaction, Social Computing
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] 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.
- [2] **Xingyu Liu** and Jason Hong. 2021. Identifying terms and conditions important to consumers using crowdsourcing. In *Currently under review for CSCW2021*.
- [3] **Xingyu Liu**, Amy Pavel, Patrick Carrington, and Xiang “Anthony” Chen. 2021. What makes videos accessible to blind and visually impaired users? In *Currently under review for CHI2021*.





Patents

- [4] Bing Liu and **Xingyu Liu**. 2020. Method, device and computer product for predicting disk failure. Patent No. US20200233587A1, CN111459692A. (July 2020).
- [5] 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

- 2020  **CMU HCII** Research Assistant.
Investigated fairness and bias issues in Wikipedia's ORES system.
Advised by Prof. Haiyi Zhu and Prof. Steven Wu.
- 2019 – 2020  **CMU Accessibility Lab** Research Assistant.
Developed systems to make 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.
Worked on summarizing terms and conditions with crowdsourcing and machine learning.
Paper submitted to CSCW.
Advised by Prof. Jason Hong.
- 2018  **Dell EMC** Machine Learning intern.
Worked on 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.