Lotus Zhang

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Education

2019 - 24
University of Washington, Seattle
Ph.D. Candidate in Human Centered Design & Engineering

2014 - 19
University of British Columbia, Vancouver
B.A. in Computer Science and Psychology

Experience

2019 - now
University of Washington
Graduate Researcher
Advisor: Leah Findlater

- ✦ Leading mixed-method research to understand the *blind and low vision* community
- ✦ Designing, building, and evaluating *AI-assisted* interfaces to support *accessible content creation*

2020
Meta
Quantitative User Experience Research Intern
Advisor: Lindsay Blackwell

- ✦ Led a large-scale survey and log analysis to explore *hate speech* behavior on Facebook
- ✦ Transferred research insights to inform design of *content moderation* tools

2018
University of Michigan
Research Intern
Advisor: Michael Nebeling

- ✦ Prototyped and evaluated parts of the *AR/VR* usability testing toolkit

2016 - 18
University of British Columbia
Research Assistant
Advisor: Karon MacLean

- ✦ Conducted user studies to explore the design of *emotion-regulating haptic robots*

2016
Axka Group Inc.
UX Developer Intern

- ✦ Designed and implemented online shopping *mobile applications* (iOS & Android)

Selected Publications

★ **2023**
Understanding Digital Content Creation Needs of Blind and Low Vision People
Zhang, L., Sun, S. and Findlater, L.
ACM ASSETS 2023
Best Paper Nominee

2023
Understanding Visual Arts Experiences of Blind People.
Li, F.M.*, Zhang, L.*, Bandukda, M., Stangl, A., Shinohara, K., Findlater, L. and Carrington, P.
ACM CHI 2023
Equal Contribution

2021
Social Media through Voice: Synthesized Voice Qualities and Self-presentation
Zhang, L., Jiang, L., Washington, N., Liu, A.A., Shao, J., Fourney, A., Morris, R.M., Findlater, L.
ACM CSCW 2021

★ **2020**
Input Accessibility: A Large Dataset and Summary Analysis of Age, Motor Ability and Input Performance
Findlater, L., Zhang, L.
ACM ASSETS 2020
Best Paper Award

Research Skills

User understanding
✓ Interview & Survey
✓ Contextual Inquiry
✓ Experiment setup

Analysis
✓ Statistics analysis & modeling (Python, R)
✓ Thematic analysis
✓ Competitive analysis

Design & Evaluation
✓ Prototype & Wireframe (Figma, HTML, Python)
✓ Usability study
✓ Participatory design

Other
✓ Literature review
✓ Accessibility
✓ AI model application (Python, R)
✓ Web & mobile development (React)