Lucy Jiang

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Research Interests

Human-computer interaction, accessible technology, entrepreneurship, social computing

Education

University of Washington, Seattle — GPA: 3.84 / 4.0   ***Aug 2018 - Jun 2022***
- Computer Science Major, Entrepreneurship Minor, Interdisciplinary and Departmental Honors
- Programming Languages: Java, Objective-C, C, C++, JavaScript, SQL, HTML, CSS
- Honors Thesis Advisor: Dr. Richard Ladner

Publications

[1] L. Zhang, **L. Jiang**, N. Washington, A. A. Liu, J. Shao, A. Fourney, M. R. Morris, L. Findlater. Social Media through Voice: Synthesized Voice Qualities and Self-Presentation. *Proceedings of the 24th ACM Conference on Computer-Supported Cooperative Work and Social Computing (ACM CSCW '21)*. Virtual. 2021.

[2] L. Zhang, J. Shao, A. A. Liu, **L. Jiang**, A. Stangl, A. Fourney, M. R. Morris, L. Findlater. Exploring Interactive Sound Design for Auditory Websites. *In Review*. 2021.

Posters

L. Jiang and D. Zhu. VerbalEyes: A Large-Scale Inquiry into the State of Audio Description. *CMD-IT / ACM Richard Tapia Celebration of Diversity in Computing Conference*. Virtual. 2021.

Work Experience

CMO / UX Research Lead — VerbalEyes (verbaleyes.co)   ***Jan 2021 - present***
- Co-founded VerbalEyes, an AI-driven audio description company
- **Interviewed 45+ subject matter experts** (industry accessibility leaders at Google / Microsoft / Facebook, members of the blind and visually impaired community, and university coordinators)
- Designed user-product interactions, the marketing website, and the overall product and features
- Expanded mailing list / Twitter reach to **200+ people** and recruited pilot program university participants for fall of 2021
- **Received $26,000+ in funding** from **Madrona Venture Labs**, UW CREATE, and more

Software Engineer Intern — Instagram   ***Jun 2021 - Sep 2021***
- Integrated **error handling** and **multiple-participant search** in Instagram Direct's messaging interface to increase customer engagement on Instagram and Messenger

Software Engineer Intern — Facebook   ***Jun 2020 - Sep 2020***
- Implemented **real-time image brightness editing** for Facebook's primary posting interface
- **Increased clickthrough rate** by indicating favorited images on the camera roll media picker
- Prioritized accessibility by researching VoiceOver paradigms and best practices, developing an accessible slider, and **integrating screen reader support**

Software Engineer Intern — Facebook University   ***Jun 2019 - Aug 2019***
- Developed a **full-stack iOS app** to simplify reminders, payments, and scheduling with roommates
- Advocated for accessible design and integrated VoiceOver / native large text compatibility

Head Teaching Assistant — UW Computer Science and Engineering   ***Aug 2019 - present***
- Instructed weekly sections and held office hours for **human-computer interaction** (CSE 440), **data structures and algorithms** (CSE 332), **discrete math and logic** (CSE 390Z), and **data science** (CSE 180)
- Guest lectured on **visual design and communication** for CSE 440 in Autumn 2021
- **Directly mentored 70+ incoming students** through Early Fall Start (CSE 190E)

Certified Inline Skating Instructor — Skate Journeys Skate School   ***Jun 2012 - Aug 2018***
- Developed new curricula for summer camps as **Senior Program Manager** (2017 - 2018)
- **Trained 7 Junior and 7 Senior Counselors** and taught inline skating skills to **500+ children and adults**

Research Experience

Accessibility Research — Inclusive Design Lab at UW HCDE   ***Jan 2019 - present***
- Proposed studies, analyzed user data, and co-authored papers (advised by Dr. Leah Findlater)

Software Lead — HuskyADAPT Accessible Art Project   ***Jan 2019 - Jun 2019***
- Designed an art installation for blind / visually impaired artists to express creativity with tactile / auditory elements (textured pipe cleaners, a Raspberry Pi-powered console, and a music app)
- Received the Voices Award for including the visions of users, artists, and partners

Honors & Awards

Undergraduate Scholar Award (Full Academic Scholarship) — UW Honors Program	Apr 2018 - present
1st Place Undergraduate Research Poster — CMD-IT / ACM Tapia Conference	Sep 2021
Inaugural Fellowship Recipient — Madrona Venture Labs	Jun 2021 - Sep 2021
Computer Science Research Mentee — Google Research	Aug 2019 - Jul 2020
Dempsey Startup Competition Top 16 — UW Buerk Center for Entrepreneurship	May 2021
Study Away Silicon Valley Scholarship — Teach Access	May 2019

Extracurricular & Volunteer Work

Chair — UW Association for Computing Machinery   ***May 2020 - present***
- Led the largest student-run organization in the Allen School (**serving 1700+ students**) to plan events such as internship prep, research nights, department-wide socials, and community discussions
- Worked with directors, faculty, advisers, and students in the department to **improve diversity, equity, and inclusion** via student-led advocacy and cross-club collaborations
- Revamped and scaled Big / Little peer mentorship program to support rapidly growing student cohorts
- **Launched quarterly fundraisers** and **collected $3400+ in donations** for the University District Food Bank, Code.org, and Seattle Children's Hospital

Self-Taught Baker — Bake Sales and Special Dessert Orders   ***Jun 2015 - present***
- Baked wedding cakes, birthday cakes, cupcakes, cookies, and brownies for a variety of projects, including a contract with UW Sports Nutrition, Honors class projects, and graduations
- **Donated $4500+ from dessert orders** to the American Cancer Society, the ACLU, and more
- **Raised $400 via Instagram Live campaign** for restaurants impacted by COVID-19