Nina Tran

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HCI is my middle name. I'm Deaf. I enjoy doing puzzles.

About me

I'm so incredibly curious! I love learning about the world. I am passionate about accessibility. With that in mind, I bring over 4 years of hands-on experience in HCI research, encompassing qualitative and quantitative methodologies, statistical analysis, accessibility testing, and expertise in UX/UI.

Education

M.S. **Gallaudet University** **Dec 2023**
Accessible Human-centered Computing

B.A. **University of Washington** **Dec 2021**
Disability Studies and Informatics

Work Experience

Active Job Seeker **Jan 24 - Present**
New Glasgow, Nova Scotia, Canada

- Built professional relationships through Disability:IN, LinkedIn, CHI, ASSETS, and reaching out to contacts.
- Developed my GitHub Pages website using Jekyll, Git, and the Terminal.
- Expanded my skill set through online courses and adapted my job search strategies based on feedback and results.
- Explored industries, companies, and positions that align with my skills and interests.

Graduate Research Assistant **Aug 22 - Dec 23**
Gallaudet University, Washington, District of Columbia, USA

- Designed and implemented the Wizard-of-Oz experimental setup, allowing me to evaluate the usability and accessibility of smart home assistants such as Amazon's Alexa and Google Home Assistant.
- Formulated surveys to recruit 100+ deaf and hard-of-hearing (DHH) participants for two separate WoZ experiments.
- Conducted user interviews and usability sessions with 50+ DHH participants who met the specified criteria.
- Employed Microsoft Excel and R for data analysis, crafting visualizations to convey findings effectively.

Corporate Partner Lead **Jun 23 - Jul 23**
The Data Mine at Purdue University, West Lafayette, Indiana, USA

- Supervised 12 undergraduate students, including leading weekly meetings and guiding them using Agile methodology.
- Served as a Project Manager for two separate experimental learning teams and communicated with the company's mentors.

Graduate Research Assistant **Sept 22 - Apr 23**

National Deaf Center on Postsecondary Outcomes, Austin, Texas, USA

- Investigated all the incoming requests via e-mail from different stakeholders seeking information on improving postsecondary outcomes for people with disabilities.
- Conducted user research and provided insights on the website's data dashboard designs.
- Shared outcomes and insights with 20+ requesting stakeholders, while also providing concise summaries through data briefs.

Research Intern **May 21 - Sept 21**

Gallaudet University, Washington, District of Columbia, USA

- Developed the study design focused on the deaf community's perspective of automated sign language translation (ASLT) using user-centered research methodologies.
- Designed the recruitment methods to motivate deaf and hard of hearing people who meet the participant criteria through social media, word of mouth, and email.
- Recruited and conducted interviews with over 150+ deaf and hard of hearing participants.
- Synthesized findings derived from the analyzed data, utilizing CSV files sourced from Microsoft Forms and employing R programming language for in-depth analysis.

Publications

Nina Tran, Paige S DeVries, Matthew Seita, Raja Kushalnagar, Abraham Glasser, and Christian Vogler. 2024. Assessment of Sign Language-Based versus Touch-Based Input for Deaf Users Interacting with Intelligent Personal Assistants. In Proceedings of the CHI Conference on Human Factors in Computing Systems (CHI '24). Association for Computing Machinery, New York, NY, USA, Article 53, 1–15. https://doi.org/10.1145/3613904.3642094

Paige S Devries, **Nina Tran,** Keith Delk, Melanie Miga, Richard Carlisle Taulbee, Pranav Pidathala, Abraham Glasser, Raja Kushalnagar, and Christian Vogler. 2024. Sign Language-Based versus Touch-Based Input for Deaf Users with Interactive Personal Assistants in Simulated Kitchen Environments. In Extended Abstracts of the CHI Conference on Human Factors in Computing Systems (CHI EA '24). Association for Computing Machinery, New York, NY, USA, Article 290, 1–9. https://doi.org/10.1145/3613905.3651075

Nina Tran, Richard E. Ladner, and Danielle Bragg. 2023. U.S. Deaf Community Perspectives on Automatic Sign Language Translation. In Proceedings of the 25th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS '23). Association for Computing Machinery, New York, NY, USA, Article 76, 1–7. https://doi.org/10.1145/3597638.3614507

Skills and Tools

Skills: research planning, stakeholder management, design and evaluation methods, participant sourcing, usability testing, satisfaction surveys, experiment and prototyping, data synthesis, qualitative, quantitative, empirical studies, balance of collaboration and independent work, self-motivating

Tools: R, Python, Microsoft Excel, Figma, ELAN Annotation, GitHub, Monday.com, Miro, Canva, Qualtrics XM, Alchemer, The System Usability Scale (SUS), Net Promoter Score (NPS), WAVE Evaluation, aXe, VPAT