



Jen Tennison

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ADVISOR/MENTOR: Dr. Gorlewicz
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BIOGRAPHY

Jen is focused on increasing the accessibility of technology through the use of multimodal feedback, especially haptic or vibratory feedback. She received a B.S. in Psychology from Southern Illinois University Edwardsville with an emphasis in cognitive psychology, having focused on memory and human ability. Jen was pursuing an M.S. in Computer Science to specialize in human-computer interaction at Edwardsville before coming to Saint Louis University.

RESEARCH

Jen's research interests lie in human-machine and human-computer interaction, interface and user experience design, software engineering, and assistive technology. Inspired by her experience growing up with her brother who has autism, her goal is to increase the accessibility and usability of technology that must be used under non-ideal situations, such as without vision or under attention-demanding situations. Jen is sponsored by the NSF GRFP to research ways in which multimodal feedback (sounds and vibrations) can be used to increase the accessibility of digital graphics on touchscreens for blind and visually impaired students in STEM classes.



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