

Keith Vertanen

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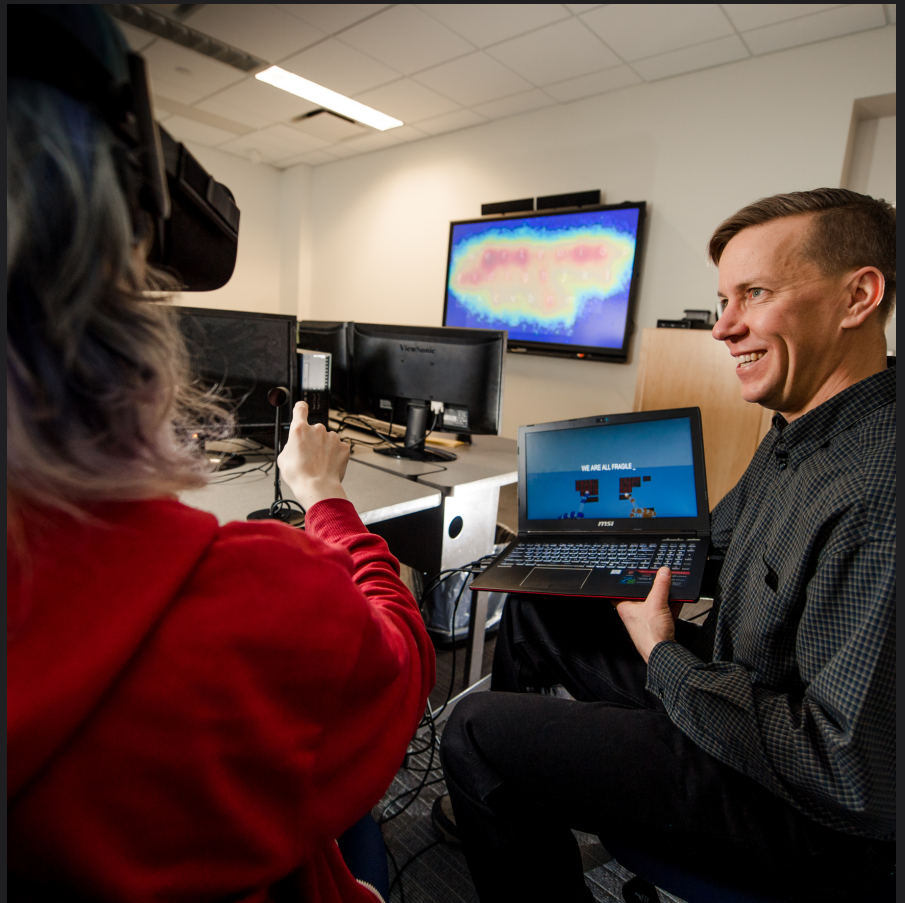
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Research Interests

- Human-Computer Interaction (HCI)
- Accessible Computing
- Speech and Language Processing
- Mobile Interfaces
- Crowdsourcing



Links of Interest



[Dr. Vertanen's Lab Website](#)



[Center for Human-Centered Computing](#)



[Institute of Computing and Cybersystems](#)



Research Synopsis



Rich Surface Interaction for Augmented Environments: exploring how to use flat everyday surfaces for input in augmented and virtual reality.

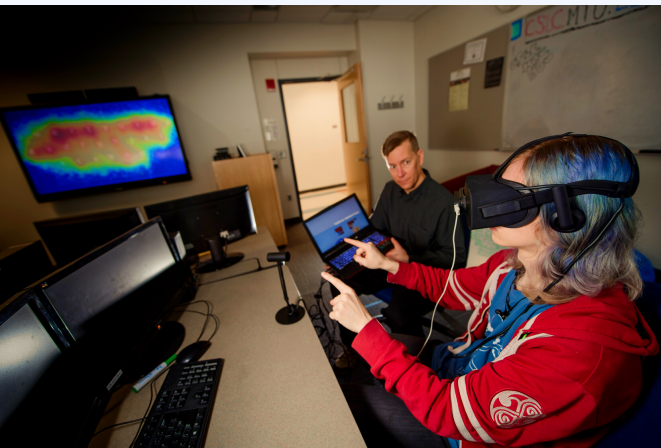
Improving Mobile Device Input for Users Who are Blind or Low Vision: improving touchscreen and speech input for users who are blind or low vision.

Automatic Speech Recognition using Deep Neural Networks: creating a state-of-the-art speech recognition engine for use in interactive systems for instrumented environments and wearable devices.

Technology Assisted Conversations: how technology can augment our conversations, including for individuals who use Augmentative and Alternative Communication (AAC) devices.

Sensing and Feedback for On-Body Input: how to appropriate everyday surfaces, including one's own body, as an input device for interactive systems.

Less is More: Investigating Abbreviated Text Input via a Game: investigating how to improve touchscreen text input by allowing users to abbreviate their input.



[ICC] Institute of Computing and Cybersystems

For more information



[Faculty Webpage](#)



[Publications](#)

