Omar Khan

oak44@drexel.edu | https://okhan.me | Google Scholar | GitHub

Education

09/2025 – present Philadelphia, PA, USA	**Drexel University** Doctor of Philosophy – Computer Science • Advisor: Dr. Tiffany D. Do
09/2021 – 05/2025 Calgary, AB, Canada	**University of Calgary** Bachelor of Science (Honours) – Computer Science, First Class • Advisor: Dr. Kangsoo Kim

Publications

Conference and Journal Papers

1. **Omar Khan**, Junyeong Kum, Hyeongil Nam, Myungho Lee, Kangsoo Kim. "Influence of Avatar Appearance and Target Distance on Locomotion Method Selection in Virtual Reality". To appear in IEEE Transactions on Visualization and Computer Graphics (TVCG), vol. xx, no. xx, pp. xx-xx, 2026.
   JCR IF-2024: 6.5.

2. **Omar Khan**, Hyeongil Nam, Kangsoo Kim. "Impact of Avatar-Locomotion Congruence on User Experience and Identification in Virtual Reality". IEEE Transactions on Visualization and Computer Graphics (TVCG), vol. 31, no. 11, pp. 9878–9888, 2025.
   http://doi.org/10.1109/TVCG.2025.3616836
   Acceptance rate: 8%, JCR IF-2024: 6.5. **Honorable Mention for Best Paper Award at IEEE ISMAR 2025 (Top 3%)**

Workshop Papers and Posters

1. **Omar Khan**, Zaid Ahmed, Hyeongil Nam, Kangsoo Kim. "TangibleMoments: Embedding XR Memories onto Physical Objects". *Proceedings of the IEEE Conference on Virtual Reality and 3D User Interfaces Abstracts and Workshops (VRW)*, 2025, pp. 1142-1146. **https://www.doi.org/10.1109/VRW66409.2025.00227**

2. **Omar Khan**, Anh Nguyen, Hyeongil Nam, Kangsoo Kim. "Investigating Visual Guide Cues in VR: Impacts of Virtual Humans and Symbol-Based Navigation on Real-World Performance and Experience". *Proceedings of the IEEE Conference on Virtual Reality and 3D User Interfaces Abstracts and Workshops (VRW)*, 2025, pp. 504-509. **https://www.doi.org/10.1109/VRW66409.2025.00110**

3. **Omar Khan**, Zaid Ahmed, Hyeongil Nam, Kangsoo Kim. "'I look like a gorilla, but don't move like one!': Impact of Avatar-Locomotion Congruence in Virtual Reality". *Proceedings of the IEEE Conference on Virtual Reality and 3D User Interfaces Abstracts and Workshops (VRW)*, 2025, pp. 1202-1203. **https://www.doi.org/10.1109/VRW66409.2025.00247**

4. **Omar Khan**, Anh Nguyen, Michael Francis, Kangsoo Kim. "Exploring the Impact of Virtual Human and Symbol-Based Guide Cues in Immersive VR on Real-World Navigation Experience". *Proceedings of the IEEE Conference on Virtual Reality and 3D User Interfaces Abstracts and Workshops (VRW)*, 2024, pp. 883-884. **https://www.doi.org/10.1109/VRW62533.2024.00238**

Awards

2025	**Best Paper Award Honorable Mention (Top 3%)**, IEEE International Symposium on Mixed and Augmented Reality (ISMAR)
2025	**IDEAS Travel Fund**, University of Calgary - $1352
2024	**Undergraduate Research Symposium Faculty of Science Award**, UCalgary Students' Union - $1000
2024	**Summer Research Studentship Award**, Alberta Innovates - $8500
2024	**Graeme Bell Travel Award**, University of Calgary - $1350
2023	**Undergraduate Student Research Award**, Natural Sciences and Engineering Research Council of Canada - $7500
2022	**Jason Lang and Alexander Rutherford Scholarships**, Government of Alberta - $5500

Academic Service

Peer Review

ACM VRST   **2025**

Student Volunteer

IEEE ISMAR   **2025**