

Omar Khan

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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**, 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, 2025. 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