

Omar Khan

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Education

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| 09/2025 – present
Philadelphia, PA, USA | Drexel University
Doctor of Philosophy – Computer Science <ul style="list-style-type: none">• Advisor: Dr. Tiffany D. Do |
| 09/2021 – 05/2025
Calgary, AB, Canada | University of Calgary
Bachelor of Science (Honours) – Computer Science, First Class <ul style="list-style-type: none">• 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).
JCR IF-2024: 6.5.
2. **Omar Khan**, Hyeongil Nam, Kangsoo Kim. "Impact of Avatar-Loocomotion 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-Loocomotion 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

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| 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**