

Eugy Han

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Education

2020 - present	Ph.D. in Communication, Media Psychology
2020 – 2023	M.A. in Communication, Media Psychology Stanford University Advisor: Professor Jeremy N. Bailenson
2016 - 2020	B.S. in Cognitive Science Brown University Advisor: Professor William H. Warren Honors Thesis: “Weighted-averaging model of crowd motion generalizes to different turn angles and crowd sizes”

Journal Publications

★ indicates highlighted works, ↗ leads to the link

DeVeaux, C., Markowitz, D. M., **Han, E.**, Miller, M. R., Hancock, J. T., & Bailenson, J. N. (2024). Presence and Pronouns: An Exploratory Investigation into the Language of Social VR. *Journal of Language and Social Psychology*, 0(0). <https://doi.org/10.1177/0261927X241248646> ↗

★ **Han, E.**, & Bailenson, J.N. (2024) Lessons for/in Virtual Classrooms: Designing a Model for Classrooms inside Virtual Reality. *Communication Education*, 73:2, 234-243, DOI: 10.1080/03634523.2024.2312879 ↗

★ **Han, E.**, DeVeaux, C., Hancock, J.T., Ram, N., Harari, G.M., & Bailenson, J.N. (2024) The Influence of Spatial Dimensions of Virtual Environments on Individuals and Group Dynamics During Social Interactions. *Journal of Environmental Psychology*, DOI: 10.1016/j.jenvp.2024.102269 ↗

Bailenson, J. N., Beams, B., Brown, J., DeVeaux, C., **Han, E.**, Queiroz, A. C. M., Ratan, R., Santoso, M., Srirangarajan, T., Tao, Y., & Wang, P. (2024) Seeing the World through Digital Prisms: Psychological Implications of Passthrough Video Usage in Mixed Reality. *Technology, Mind, and Behavior* ↗

Wang, P., Miller, M. R., **Han, E.**, DeVeaux, C., & Bailenson, J. N. (2024) Understanding virtual design behaviors: A large-scale analysis of the design process in Virtual Reality. *Design Studies*, 90, DOI: 10.1016/j.destud.2023.101237 ↗

DeVeaux, C., **Han, E.**, Landay, J.A., & Bailenson, J.N. (2023) Exploring the Relationship Between Attribute Discrepancy and Avatar Embodiment in Immersive Social Virtual Reality. *Cyberpsychology, Behavior, and Social Networking*, DOI: 10.1089/cyber.2023.0210 ↗

- ★ **Han, E.**, Miller, M.R., DeVaux, C., Jun, H., Nowak, K.L., Hancock, J.T., Ram, N., & Bailenson, J.N. (2023) People, Places, and Time: A Large-scale, Longitudinal Study of Transformed Avatars and Environmental Context in Group Interaction in the Metaverse. *Journal of Computer-Mediated Communication*, 28(2), DOI: 10.1093/jcmc/zmac031 ↗
- ★ **Han, E.**, Nowak, K.L., & Bailenson, J.N. (2022). Prerequisites for Learning in Networked Immersive Virtual Reality. *Technology, Mind, and Behavior*, 3(4: Winter). DOI: 10.1037/tmb000094 ↗
- Amit, E., **Han, E.**, Posten, A., & Sloman, S. (2021). How people judge institutional corruption. *Connecticut Law Review*, 52(3), 1121-1138 ↗

Conference Proceedings

- McGivney, E., Queiroz, A.C.M., Miller, M.R., Liu, S., Beams, B., **Han, E.**, Woolsey, E.S., Frazier, K., Petersen, X., Hancock, J., Bailenson, J. (2024). Complexity of Agency in VR Learning Environments: Exploring Associations with Interactivity, Learning Outcomes, and Affect. *Immersive Learning Research Network (iLRN)*
- Akselrad, D., DeVaux, C., **Han, E.**, Miller, M.R., & Bailenson, J.N. (2023). Body Crumple, Sound Intrusion, and Embodiment Violation: Toward a Framework for Miscommunication in VR. *Computer-Supported Cooperative Work And Social Computing (CSCW)*. DOI: 10.1145/3584931.3606968 ↗
- DeVaux, C., Markowitz, D. M., **Han, E.**, Miller, M. R., Hancock, J. T., & Bailenson, J. N. (2023). Descriptive Linguistic Patterns of Group Conversations in VR. In *2023 IEEE Conference on Virtual Reality and 3D User Interfaces Abstracts and Workshops (VRW)* (pp. 785-786). IEEE. DOI: 10.1109/VRW58643.2023.00235 ↗
- Miller, M. R., DeVaux, C., **Han, E.**, Ram, N., & Bailenson, J. N. (2023). A Large-Scale Study of Proxemics and Gaze in Groups. In *2023 IEEE Conference Virtual Reality and 3D User Interfaces (VR)* (pp. 409-417). IEEE. DOI: 10.1109/VR55154.2023.00056 ↗
- Queiroz, A., McGivney, E., Xiu, S.L., Anderson, C., Beams, B., DeVaux, C., Frazier, K., **Han, E.**, ... & Bailenson, J. N. (2023). Collaborative Tasks in Immersive Virtual Reality Increase Learning. In *Proceedings of the 16th Conference on Computer-Supported Collaborative Learning (CSCL)* ↗

In Preparation or Under Review

- Miller, M. R., DeVaux, C., **Han, E.**, Bailenson, J.N. (Under Review). Multiverse Analysis of Nonverbal Synchrony.

Miller, M.R., Nair, V.C., Wang, R., **Han, E.**, Huang, B., DeVaux, C., Rack, C., Latoschik, M., O'Brien, J., Bailenson, J.N. (Under Review). Effect of Duration and Delay on the Identifiability of VR Motion.

Han, E., Wang, P., DeVaux, C., Harari, G.M., & Bailenson, J.N. (Under Review). Understanding the Role of Virtual Mobility on How and What People Create in Virtual Reality.

Han, E., DeVaux, C., Miller, M.R., Harari, G.M., Hancock, J.T., Ram, N., & Bailenson, J.N. (Under Review). Alone Together, Together Alone: The Effects of Social Context on Nonverbal Behavior in Virtual Reality.

Markowitz, D., Harari, G.M., **Han, E.**, Miller, M.R., DeVaux, C., & Bailenson, J.N. (Under Review). Individual Differences and Contextual Influences on Group Behavior in Virtual Reality: A Person-Environment Interactionist Perspective.

Conference Posters and Papers

Han, E., DeVaux, C., Hancock, J.T., Ram, N., Harari, G.M., & Bailenson, J.N. (June 20-24, 2024). *The Influence of Spatial Dimensions of Virtual Environments on Social Interactions*. 74th Annual International Communication Association Conference (ICA), Gold Coast, Australia. [Full Paper]

Han, E., DeVaux, C., Miller, M.R., Harari, G.M., Hancock, J.T., Ram, N., & Bailenson, J.N. (June 20-24, 2024). *Alone Together, Together Alone: The Effects of Social Context on Nonverbal Behavior in Virtual Reality*. 74th Annual International Communication Association Conference (ICA), Gold Coast, Australia. [Full Paper]

Pandita, S., Pandita, S., Ratan, R., Kim, Taenyun, Jang, D., Lim, C., Xu, K., Won, A., Stavropoulos, V., Sinlapanuntakul, P., Praetorius, Anna S., Peña, J., Park, I., Nowak, K., Matthews, N., McArthur, V., Lee, K., Klebig, B., Kim, S., Kao, D., Kahn, A., Jeong, D., Hasler, B., Harrell, F., **Han, E.**, ... & Aymerich-Franch, L. (June 20-24, 2024). *The Development and Validation of the Motivations for Avatar-Mediated Meetings (MAMM) Scale*. 74th Annual International Communication Association Conference (ICA), Gold Coast, Australia. [Full Paper]

Han, E., DeVaux, C., Hancock, J.T., Ram, N., Harari, G.M., & Bailenson, J.N. (February 8, 2024). *Does Virtual Size Matter? The Influence of Spatial Dimensions of Virtual Rooms on Psychological and Behavioral Outcomes*. SPSP Psychology of Media and Technology Pre-Conference, San Diego, CA, USA. [Poster]

Lin, Q., Lim, C., Lover, A., **Han, E.**, Park, R., Jang, D., An, Y., Schultz, Z., Ratan, R., Bailenson, J.N. (April 11-14, 2024). *Optimizing Learning in the Metaverse: Class Duration in VR Compared to Zoom on Student Outcomes*. American Education Research Association (AERA), Philadelphia, PA, USA. [Full Paper]

DeVeaux, C., **Han, E.**, Landay, J.A., & Bailenson, J.N. (2023, May 25-29). *A Presence of Absence: Understanding Disparities in Avatar Racial Representation and Embodiment in Social VR*. 73rd Annual International Communication Association Conference (ICA), Toronto, Ontario, Canada. [Full Paper]


DeVeaux, C., Markowitz, D., **Han, E.**, Miller, M.R., Hancock, J.T., & Bailenson, J.N. (2023, May 25-29). *A Large Scale, Longitudinal Analysis of Speech in Social VR: Language in the Virtual Classroom*. 73rd Annual International Communication Association Conference (ICA), Toronto, Ontario, Canada. [Full Paper]

Han, E., DeVeaux, C., Harari, G.M., & Bailenson, J.N. (2023, May 25-29). *VRtivity: Understanding Creativity Expression in Shared Virtual Environments*. 73rd Annual International Communication Association Conference (ICA), Toronto, Ontario, Canada. [Extended Abstract]

Lin, Q., Ratan, R., Lover, A., Lim, C., Jang, D., Schultz, Z., An, Y., & **Han, E.** (2023, May 25-29). *Is Teaching in Virtual Reality Superior to Video Conferencing? Examining the Role of Social Presence*. 73rd Annual International Communication Association Conference (ICA), Toronto, Ontario, Canada. [Research Escalator]

Park, R., Miller, M.R., **Han, E.**, DeVeaux, C., Bailenson, J.N., & Ram, N. (2023, May 25-29). *Modeling the Formation and Dissolution of Social Ties in Virtual Reality*. 73rd Annual International Communication Association Conference (ICA), Toronto, Ontario, Canada. [Poster]

Han, E., Nowak, K.L., & Bailenson, J.N. (2023, May 18). *Virtual Reality: Transforming Research and Communication Campaigns for the Future*. UConn Center for mHealth and Social Media CHASM Conference. [Video Poster]

 **Han, E.**, Nowak, K.L., & Bailenson, J.N. (2022, May 26-30). *Learning Together in Virtual Reality: A Longitudinal Case Study*. 72nd Annual International Communication Association Conference (ICA), Paris, France. [Full Paper] ***Top Student Paper Award, Information Systems Division**

Han, E., Miller M.R., Nowak, K.L., Bailenson, J.N., & Hancock, J.T. (2022, May 26-30). *The “Social” in Social VR: A Linguistic Analysis of Verbal Behavior in Groups*. 72nd Annual International Communication Association Conference (ICA), Paris, France. [Extended Abstract]

Han, E., Miller M.R., Ram, N., Nowak, K.L., & Bailenson, J.N. (2022, May 26-30). *Understanding Group Behavior in Virtual Reality: A Large-Scale, Longitudinal Study in the Metaverse*. 72nd Annual International Communication Association Conference (ICA), Paris, France. [Full Paper]

Han, E., Willcoxon, M., Wirth, D.T., & Warren, H.W. (2020, June 19-24). *Weighted-averaging model of crowd motion generalizes to different turn angles and crowd sizes*. Vision Sciences Society. [Poster] ↗

Book Chapters

- ★ **Han, E.**, & Bailenson, J.N. (2024). Social Interaction in VR. In *Oxford Research Encyclopedia of Communication*. DOI: 10.1093/acrefore/9780190228613.013.1489
- Han, E.**, & Bailenson, J.N. (2023). Moral Behavior in Virtual Reality. In Kissel, A., & Ramirez, E. (Eds.) *Exploring Extended Realities: Metaphysical, Psychological, and Ethical Challenges*. Routledge. ↗
- Han, E.**, & Quintero, S.I. (2023). Enacting Virtual Boundaries: Music Video and the Changing Technological Landscape. In Jirsa, T., Korsgaard, T.B. (Eds.), *Traveling Music Videos*. Bloomsbury Publishing USA. ↗
- DeVeaux, C., **Han, E.**, Bailenson, J.N. (2022). Expanding Education through Virtual Reality. In McKenzie, S. P., Arulkadacham, L., Chung, J., & Aziz, Z. (Eds.), *The Future of Online Education* (pp. 325-336). Nova Science Publishers. DOI: 10.52305/LERQ4827

Teaching Experience

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| 2022 | Primary Instructor
COMM118S: Into the Metaverse: Designing the Future of Virtual Worlds
↳ Proposed and designed a course for Stanford's summer quarter
↳ Course was requested to be retaught by the university due to high ratings |
| 2021, 2022 | Teaching Assistant to Professor Jeremy Bailenson ↗
COMM166/266: Virtual People, Stanford University, Fall 2021, 2022
↳ Lead course designer for first large-scale course inside VR |
| 2019 | Teaching Assistant to Professor Jeff Huang
CS130(0): User Interfaces/User Experience, Brown University, Fall 2019 |

Honors and Awards

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| 2023 | Stanford McCoy Ethics Fellow |
| 2020-2024 | Stanford Graduate Fellow in Science and Engineering |
| 2020 | Research at Brown Grant |
| 2019 | Brown Linking Internships and Knowledge Award |
| 2018 | Brown Undergraduate Teaching and Research Award |

Professional Engagement

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| 2024 | Talk at Metaverse and Education Conference (Lycée Français de New York) |
| 2024 | Lab Tour for Professor Sandra Ponzanesi (Utrecht University) |

2024	Talk at University of Southern California (Institute of Creative Technologies)
2024	Lab Tour for Professor Tamara Makana Chock (Syracuse University)
2024	Lab Tour for Professor Misha Sra (UC Santa Barbara)
2023	Guest Lecture at University of Florida (Digital Worlds Institute)
2023	Panel Guest at AWE USA Conference ↗
2023	Panel Guest at Stanford XR Conference ↗
2023	Lab Tour for Dr. Hubert Etienne (Meta)
2023	Talk at Quantum Photonics (ClubHouse)
2022	Panel Guest at SALTISE Conference ↗
2022	Panel Guest at CODEX FutureLaw Conference ↗
2022	Guest Lecture at Université Laval ↗
2022	Panel Guest at Bodyswaps: The Educators vs. Virtual Reality ↗

Professional Service

Reviewer for:

<i>Journal</i>	Behaviour & Information Technology Computers in Human Behavior Cyberpsychology: Journal of Psychosocial Research on Cyberspace Cyberpsychology, Behavior and Social Networking International Journal of Human-Computer Interaction Technology, Mind, and Behavior
<i>Conference Proceeding</i>	ISMAR 2022, 2024 CHI 2023, 2024 CSCW 2023 IEEE VR 2023, 2024
<i>Conference</i>	ICA 2023, 2024 EUROGRAPHICS 2024

Media Coverage

“Where Will Virtual Reality Take Us?”

The New Yorker. February 2, 2024. ↗

“Stanford researchers urge caution with new mixed reality headsets”

Stanford News. February 1, 2024. ↗

“New Stanford study shows choices of virtual environments and avatars can promote positive psychological outcomes in the metaverse”

Stanford News. December 14, 2022. ↗

“VR study shows virtual avatars and environments can affect your mood”

Venture Beat. December 15, 2022. ↗

“Forget Zoom school. For some students, class is in session in VR”
CNN. January 27, 2022. ↗

“Stanford course allows students to learn about virtual reality while fully immersed in VR environments”
Stanford News. November 5, 2021. ↗

CV Last updated: 05/2024