

Eugyoung (Eugy) Han

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Research Interests: virtual reality, social virtual reality, avatars, perception

Education

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

Publications

- Amit, E., **Han, E.**, Posten, A., & Sloman, S. (2021). How people judge institutional corruption. *Connecticut Law Review*, 52(3), 1121-1138.
- Han, E.**, Nowak, K.L., & Bailenson, J.N. (2022). Prerequisites for Learning in Networked Immersive Virtual Reality. *Technology, Mind, and Behavior*, 3(4: Winter). <https://doi.org/10.1037/tmb000094>
- Han, E.**, Miller, M.R., DeVeaux, C., Jun, H., Nowak, K.L., Hancock, J.T., Ram, N., Bailenson, J.N. (Forthcoming). 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*, <https://doi.org/10.1093/jcmc/zmac031>
- DeVeaux, C., Markowitz, D.M., **Han, E.**, Miller, M.R., Hancock, J.T., Bailenson, J.N. (Under Review). A Large Scale, Longitudinal Analysis of Speech in Social VR: A First Look at Natural Language in the Virtual Classroom. *IEEE Virtual Reality*. IEEE.
- DeVeaux, C., **Han, E.**, Landay, J.A., Bailenson, J.N. (Under Review). A Presence of Absence: Understanding Disparities in Avatar Racial Representation and Embodiment in Social VR. *CHI Conference on Human Factors in Computing Systems*. ACM.
- Miller, M.R., DeVeaux, C., **Han, E.**, Ram, N., Bailenson, J.N. (Under Review). A Large-Scale Study of Proxemics and Gaze in Groups. *IEEE Virtual Reality*. IEEE.
- Queiroz, A., McGivney, E., Xiu, S.L., Anderson, C., Beams, B., DeVeaux, C., Frazier, K., **Han, E.**, ... Bailenson, J. N. (Under Review). Collaborative Tasks in Immersive Virtual Reality Increase Learning. *International Society of the Learning Sciences*.

Conference Presentations

- 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]
- 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, Paris, France. [Paper]
- 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, Paris, France. [Extended Abstract]
- 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, Paris, France. [Paper] ***Top Student Paper Award, Information Systems Division**
- DeVeaux, C., **Han, E.**, Landay, J.A., Bailenson, J.N. (Under Review). A Presence of Absence: Understanding Disparities in Avatar Racial Representation and Embodiment in Social VR. 73rd Annual International Communication Association Conference, Toronto, Ontario, Canada.
- Han, E.**, DeVeaux, C., Harari, G.M., Bailenson, J.N. (Under Review). *VRtivity: Understanding Creativity Expression in Shared Virtual Environments*. 73rd Annual International Communication Association Conference, Toronto, Ontario, Canada. [Extended Abstract]
- Han, E.**, Bailenson, J.N. (Under Review). *Designing Social Classrooms for In, Out, and Around Virtual Worlds: Interviewing Instructors On VR-Based Classrooms*. 73rd Annual International Communication Association Conference, Toronto, Ontario, Canada. [Paper]
- Park, R., DeVeaux, C., **Han, E.**, Miller, M.R., Bailenson, J.N., Ram, N. (Under Review). Modeling the Formation and Dissolution of Social Ties in Virtual Reality. 73rd Annual International Communication Association Conference, Toronto, Ontario, Canada. [Poster]

Honors and Awards

2020 - present	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

Research Experience

2017 - 2020	<i>Research Assistant, Lab Manager</i> Virtual Environment Navigation Lab (VENLab), Brown University Advisor: Professor William H. Warren
2018 - 2020	<i>Research Assistant</i> Amit Lab, Brown University Advisor: Professor Elinor Amit
2019	<i>Research Assistant</i> Media Lab - Fluid Interfaces Group, Massachusetts Institute of Technology Advisors: Professor Pattie Maes, PhD Candidate Neo (Mostafa) Mohsenvand

Teaching Experience

- 2019 Undergraduate Teaching Assistant to Professor Jeff Huang
CS130(0): User Interfaces/User Experience, Brown University, Fall 2019
- 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
- 2022 Instructor
COMM118S: Into the Metaverse: Designing the Future of Virtual Worlds
• Course requested to be retaught due to high ratings

Talks and Presentations

- January 2022 Bodyswaps: The Educators vs. Virtual Reality
Talk Title: “The Virtual World is your Classroom: Learning in the Metaverse”
- February 2022 Guest Lecture at Université Laval
Talk Title: “Virtual Teachers, Students, & Classrooms”
- April 2022 CODEX FutureLaw Conference 2022
Panel: “Computational Law and the Metaverse (Do Virtual Realities Need Law?)”
- June 2022 SALTISE Conference 2022
Symposium Panel: “Active learning through virtual realities and 3D avatars: A sneak peek behind the scenes of the process of conception, development, and implementation”

Book Chapters

- 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. <https://doi.org/10.52305/LERQ4827>

Professional Service

Reviewer for ISMAR 2022, CHI 2023, IEEE VR 2023, ICA 2023

Technical Skills

R, MATLAB, Java, HTML/CSS, Unity, Maya