CHANGHOON OH

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Human-Computer Interaction Institute
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RESEARCH INTERESTS

Human-AI interaction, Human-computer interaction (HCI), Artificial intelligence (AI),
User Experience (UX) Research, Machine learning (ML) as Design Material

WORK EXPERIENCE

Aug. 2019 – Present *Pittsburgh, PA*	**Carnegie Mellon University** Human-Computer Interaction Institute *Postdoctoral Researcher* Advisor: Prof. Jodi Forlizzi and Prof. John Zimmerman
Mar. 2019 - Aug. 2019 *Seoul, South Korea*	**Seoul National University** Graduate School of Convergence Science and Technology *Postdoctoral Researcher*
Sep. 2018 - Aug. 2019 *Seoul, South Korea*	**Seoul National University** Information Science and Culture *Lecturer*
Mar. 2018 - Feb. 2019 *Suwon, South Korea*	**V.DO (A video artificial intelligence start-up, acquired by NAVER)** *AI Researcher*

EDUCATION

Mar. 2012 - Feb. 2019 *Seoul, South Korea*	**Seoul National University** Ph.D. in Engineering (Specialization in Human-Computer Interaction) Thesis: *Understanding How People Interact with Algorithm-Based Systems Using AI* **Best Dissertation Award** Advisor: Prof. Bongwon Suh and Prof. Joonhwan Lee
Mar. 2006 - Feb. 2012 *Seoul, South Korea*	**Seoul National University** B.A. in English Language and Literature, College of Humanities B.A. in Economics, College of Social Sciences **Cum Laude**

PUBLICATIONS

Peer-reviewed conference papers

Oh, C., Kim, S., Choi, J., Eun, J., Kim, S., Kim, J., Lee, J., & Suh, B. 2020. "Understanding How People Reason about Aesthetic Evaluations of Artificial Intelligence." In *Proceedings of the ACM Designing Interactive Systems Conference 2020* (DIS'20), Eindhoven, Netherlands.
Best Paper Honorable Mention Award.

Oh, C., Choi, J., Lee, S., Park, S., Kim, D., Song, J., Kim, D., Lee, J., & Suh, B. 2020. "Understanding User Perception of Automated News Generation System." In *Proceedings of the ACM Conference on Human Factors in Computing Systems 2020* (CHI'20), Honolulu, HI.

Kim, S., Eun, J., **Oh, C.**, Suh, B., & Lee, J. 2020. "Bot in the Bunch: Facilitating Group Chat Discussion by Improving Efficiency and Participation with a Chatbot." In *Proceedings of the ACM Conference on Human Factors in Computing Systems 2020* (CHI'20), Honolulu, HI.

Lim, H., Chung, J., **Oh, C.**, Park, S., Lee, J., & Suh, B. 2018. "Touch+ Finger: Extending Touch-based User Interface Capabilities with" Idle" Finger Gestures in the Air." In *Proceedings of the ACM Symposium on User Interface Software and Technology 2018* (UIST'18), Berlin, Germany.

Oh, C., Song, J., Choi, J., Kim, S., Lee, S., & Suh, B. 2018. "I Lead, You Help But Only with Enough Details: Understanding User Experience of Co-Creation with Artificial Intelligence." In *Proceedings of the ACM Conference on Human Factors in Computing Systems 2018* (CHI'18), Montreal, Canada.
Best Paper Honorable Mention Award.

Oh, C., Lee, T., Kim, Y., Park, S., Kwon, S., & Suh, B. 2017. "Us vs. them: Understanding Artificial Intelligence Technophobia over the Google DeepMind Challenge Match." In *Proceedings of the ACM Conference on Human Factors in Computing Systems 2017* (CHI'17), Denver, CO.

Journal articles

Park, S., Choi, J., Lee, S., **Oh, C.**, Kim, C., La, S., Lee, J., & Suh, B. 2019. "Designing a Chatbot for a Brief Motivational Interview on Stress Management: Qualitative Case Study." *Journal of medical Internet research* Vol. 21(4), e12231.

Thesis

Oh, C. 2019. "Understanding How People Interact with Algorithm-based Systems Using Artificial Intelligence" *Doctoral dissertation*, Seoul National University.
Best Dissertation Award.

Posters and Workshop papers

Jung, H., Kim, H. J., So, S., Kim, J., & **Oh, C.** 2019. "TurtleTalk: An Educational Programming Game for Children with Voice User Interface." In *Extended Abstracts of the ACM Conference on Human Factors in Computing Systems 2019* (CHI'19), Glasgow, UK.

Jung, H., Oh, C., Hwang, G., **Oh, C.,** Y., Lee, J., & Suh, B. 2019. "Tell Me More: Understanding User Interaction of Smart Speaker News Powered by Conversational Search." In *Extended Abstracts of the ACM Conference on Human Factors in Computing Systems 2019* (CHI'19), Glasgow, UK.

Hyun, H., Kim, H., Kwon, N., Ryu, C., Lee, S., & **Oh, C.** 2019. "CarolTree: An Interactive Storytelling Based Music Education Game for Kids" For the workshop, "Asian CHI Symposium: Emerging HCI Research Collection," *CHI 2019*, Glasgow, UK.

Chung, J., **Oh, C.**, Park, S., & Suh, B. 2018. "PairRing: A Ring-Shaped Rotatable Smartwatch Controller." In *Extended Abstracts of the ACM Conference on Human Factors in Computing Systems 2018* (CHI'18), Montreal, Canada.

Lim, H., Chung, J., **Oh, C.**, Park, S., & Suh, B. 2016. "OctaRing: Examining Pressure-Sensitive Multi-Touch Input on a Finger Ring Device." In *Proceedings of the Annual Symposium on User Interface Software and Technology 2016* (UIST'16), Tokyo, Japan.

Seo, J., Lim, H., **Oh, C.**, Yun, H. K., Suh, B., & Lee, J. 2016. "A System Designed to Collect Users' TV-Watching Data Using a Smart TV, Smartphones, and Smart Watches." In *Proceedings of the ACM International Conference on Interactive Experiences for TV and Online Video 2016* (TVX'16), Chicago, Illinois.

Oh, C., Lee, T., Kim, Y., Park, S., & Suh, B. 2016. "Understanding Participatory Hashtag Practices on Instagram: a Case Study of Weekend Hashtag Project." In *Proceedings of the ACM Conference Extended Abstracts on Human Factors in Computing Systems 2016* (CHI'16), San Jose, CA.

Kim, Y., **Oh, C.**, Lee, T., Lee, D., Lee, J., & Suh, B. 2015. "Travel Q: Questifying Micro Activities Using Travel Photos to Enhance Travel Experience." In *Proceedings of the ACM Conference Extended Abstracts on Human Factors in Computing Systems 2015* (CHI'15), Seoul, South Korea

Oh, C., Park, J., & Suh, B. 2014. "Gravity: Automatic Location Tracking System between a Car and a Pedestrian." In Proceedings of the ACM International Conference on Human-Computer Interaction with Mobile Devices & Services 2014 (MobileHCI'14), Toronto, Canada.

Oh, C., & Lee, J. 2014. "Understanding In-Car Smartphone Usage Pattern with an Un-Obfuscated Observation." In *Extended Abstracts of the ACM Conference on Human Factors in Computing Systems 2014* (CHI'14), Toronto, Canada.

Publications in progress   Forlizzi, J., Zimmerman, J., Yang, Q., **Oh, C.**, Yildirim, N. "Designing AI Products and Services: Benefits, Challenges, and Ideas for Improving Design Practice" In preparation.

AWARDS AND HONORS

Jul. 2020   **DIS Best Paper Honorable Mention Award**
ACM Designing Interactive Systems Conference (DIS 2020)
Ranked among the top 5% of all submissions

Feb. 2019   **Best Dissertation Award**
Graduate School of Convergence Science and Technology
Seoul National University
Conferred by each college of the University

Apr. 2018   **CHI Best Paper Honorable Mention Award**
ACM Conference on Human Factors in Computing Systems (CHI 2018)
Ranked among the top 5% of all submissions

Apr. 2018   **Google Travel and Conference Grants**
Student Travel Grants Program
$2,000 travel funding to attend research conference

Feb. 2012   **Graduation with Distinction**
Department of English Language and Literature, College of Humanities
Seoul National University
Cum Laude (honors degree)

Mar. 2008   **Outstanding Academic Scholarship**
Department of English Language and Literature, College of Humanities
Seoul National University

TEACHING

Spring 2019   **Understanding Cultural Contents**
Seoul, South Korea   *Instructor*
Information Science and Culture, Seoul National University

Fall 2018   **Interactive Storytelling**
Seoul, South Korea   *Instructor*
Information Science and Culture, Seoul National University

Spring 2018   **Creative Fusion Seminar**
Seoul, South Korea   *Teaching Assistant*
College of Liberal Studies, Seoul National University

Fall 2017   **Statistical Analysis for Information Studies**
Seoul, South Korea   *Teaching Assistant*
Graduate School of Convergence Science and Technology, Seoul National University

Spring 2012 *Seoul, South Korea*	**Introduction to Convergence Science and Technology** *Teaching Assistant* Graduate School of Convergence Science and Technology, Seoul National University
Jan.2013 *Seoul, South Korea*	**UX Method Academy** *Course Assistant* Samsung Electronics

INVITED TALKS

May 29, 2018 *Daejon, South Korea*	**Understanding the User Experience of Co-Creation with Artificial Intelligence** KIXLAB (the KAIST Interaction Lab), School of Computing Korea Advanced Institute of Science and Technology (KAIST) Hosted by Professor Juho Kim
Mar. 27, 2018 *Daejon, South Korea*	**Human-AI Interaction: Understanding How People Interact with Artificial Intelligence** IoT Research Division, Hyper-connected Communication Research Laboratory, Electronics and Telecommunications Research Institute (ETRI)
Jul. 13, 2017 *Daejon, South Korea*	**The Future of HCI** IoT Research Division, Hyper-connected Communication Research Laboratory, Electronics and Telecommunications Research Institute (ETRI)

ACADEMIC SOCIETIES AND SERVICE

Membership	ACM Membership (2019 – Present) ACM Student Membership (2013 – 2019) HCI Korea Membership (2012 – Present) Seoul National University HCI Group Membership (2012 – Present)
Peer Reviewing	**External Reviewer of Full Paper Session** ACM CHI 2017 – 2020 ACM CSCW 2020 **External Reviewer of Poster Session** ACM IUI 2016 ACM CHI Late-Breaking Work 2019 - 2020
Student Volunteering	CSCW 2016 Student Volunteer (Winner, T-Shirt Design Competition)
Conference Organizing	Program Committee, SNUxHCI Group Day 2015-2017 UW iSchool-SNU GSCST Joint Workshop 2014

REFERENCES

Jodi Forlizzi
Geschke Director and Professor
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Carnegie Mellon University
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John Zimmerman
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