

CURRENT POSITION

Google Deepmind
Research Scientist

Seattle, WA, USA
May, 2024 – Present

PREVIOUS EXPERIENCES

Google Research
Research Scientist

Seattle, WA, USA
May, 2022 – May, 2024

KAIST Graduate School of AI
Adjunct Professor

Daejeon, South Korea
Oct, 2021 – July 2024

Naver
Research Scientist, Technical Leader, Naver AI Lab
Technical Leader, Computational Interaction, Naver Clova

Seongnam, South Korea
Sept, 2020 – Apr, 2022
Dec, 2020 – Aug, 2021

Microsoft Research + AI
Research Intern, Information and Data Sciences Group

Redmond, WA, USA
June – Sept, 2019

- Investigating techniques for recovering from conversational interaction failures

Autodesk Research
User Interface Research Intern, User Interface Group

Toronto, ON, Canada
Nov, 2018 – Apr, 2019

- Investigating techniques for modeling user demonstrations to capture semantic subgoals
- Building data-driven interfaces by utilizing different streams of user interaction trace

Adobe Research
Summer PhD Intern, Creative Intelligence Lab

Seattle, WA, USA
Jun – Sept, 2018

- Building novel conversational interaction techniques for video interfaces
- Understanding and designing voice user interactions for learning with how-to videos

EDUCATION

Korea Advanced Institute of Science and Technology
PhD in Computer Science, Advisor: Juho Kim
Thesis Title: Mining Sequential Knowledge for Interaction Design
- 2021 Outstanding Thesis Award

Daejeon, South Korea
2014-2021

Rutgers, The State University of New Jersey
MSc in Statistics

New Brunswick, NJ, USA
2012-2014

KAIST Business School, Graduate School of Finance
MSc in Finance with specialization in Financial Engineering, Advisor: Jangkoo Kang
Thesis Title: An Empirical Study on the Existence of Momentum Profits in Asian Stock Markets
- 2011 Best Thesis Award

Seoul, South Korea
2009-2011

Simon Graduate School of Business, University of Rochester
MSc in Finance - Dual Degree Program with KAIST Business School

Rochester, NY, USA
2010

Korea Advanced Institute of Science and Technology
BSc in Computer Science

Daejeon, South Korea
2003-2008

SELECTED PUBLICATIONS (please visit [my google scholar page](#) for the most updated publications list.)

Jesse Zhang, Jiahui Zhang, Karl Pertsch, Ziyi Liu, Xiang Ren, **Minsuk Chang**, Shao-Hua Sun, and Joseph J. Lim, *Bootstrap Your Own Skills: Learning to Solve New Tasks with Large Language Model Guidance*, Conference on Robot Learning 2023 ****oral****

Minsuk Chang, Stefania Druga, Alexander J. Fiannaca, Pedro Vergani, Chinmay Kulkarni, Carrie J Cai, and Michael Terry, *The Prompt Artists*, In Proceedings of the 15th Conference on Creativity and Cognition 2023 ****honorable mention****

John Yoon Young Chung, Wooseok Kim, Kang Min Yoo, Hwaran Lee, Eytan Adar, **Minsuk Chang**, *TaleBrush: Sketching Stories with Generative Pretrained Language Models*, In Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, 2022.

Hee-Seung Moon, Seungwon Do, Wonjae Kim, Jiwon Seo, **Minsuk Chang**, and Byungjoo Lee, *Speeding up Inference with User Simulators through Policy Modulation*, In Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, 2022.

Sungdong Kim, **Minsuk Chang**, and Sang-Woo Lee, *NeuralWOZ: Learning to Collect Task-Oriented Dialogue via Model-Based Simulation*, In ACL 2021 ****oral****.

Minsuk Chang, Mina Huh, and Juho Kim, *RubySlippers: Supporting Content-based Voice Navigation for How-to Videos*, In Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, 2021.

Seungwon Do, **Minsuk Chang**, and Byungjoo Lee, *A Simulation Model of Intermittently Controlled Point-and-Click Behavior*, In Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, 2021. ****honorable mention****

Minsuk Chang, Ben Lafreniere, Juho Kim, George Fitzmaurice, Tovi Grossman, “*Workflow Graphs: A Computational Model of Collective Task Strategies for 3D Design Software*”, *Proceedings of the 45th Graphics Interface Conference on Proceedings of Graphics Interface 2020*. Canadian Human-Computer Communications Society, 2020.

Minsuk Chang, Anh Truong, Oliver Wang, Maneesh Agrawala, Juho Kim. “*How to Design Voice Based Navigation for How-To Videos*” Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, 2019.

Minsuk Chang, Leonore V. Guillain, Hyeungshik Jung, Vivian M. Hare, Juho Kim, and Maneesh Agrawala. “*RecipeScape: An Interactive Tool for Analyzing Cooking Instructions at Scale*” Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, 2018

SERVICES

Organizing Committee

- SIGCHI Operations Committee (2020-present)
- UIST 2021, 2022 Publicity Co-Chair
- CHI 2021 Video Capture Co-Chair
- ISS 2019 Video Chair

Program Committee

- CoCoMARL Workshop 2024 (RLC)
- CHI 2022, 2023, 2024(+awards committee), 2025
- UIST 2021, 2022, 2023(+awards committee), 2024(+awards committee)
- CSCW 2021
- HCOMP 2021
- Viz Meets AI 2021, 2022
- WWW 2020, 2021, 2022
- GI 2020
- CHI 2019 LBW, 2021 SRC

Reviewer

- Behavioral ML Workshop 2024 (NeurIPS)
- ACL 2024 (ARR)
- ICML 2024 Workshops
- IUI 2022
- CHI 2017, 2018, 2019, 2020, 2020 LBW, 2021, 2021 LBW
- CSCW 2018, 2019, 2020
- UIST 2017, 2018, 2020
- MobileHCI 2019
- IMWUT 2020

Student Volunteer

- CHI 2017
- UIST 2017, 2018
- ICML 2020

Invited Talks and Panels

- June 2022: Invited talk at Manila ACM SIGCHI Chapter
- Septemebr 2021: Invited talk at Kangwon National University, Department of Computer Science and Engineering
- Septemebr 2021: Invited talk at SungKyunKwan University (SKKU) College of Computing and Informatics in Sepetember
- August 2021 : Invited talk at POSTECH, Computer Science and Engineering
- July 2021 : Invited on the industry panel for CUI 2021 conference to discuss the future of conversational interfaces.
- Mar 2021 : Invited talk on data-driven interfaces at Yonsei University, Department of Computer Science
- Aug 2020 : Invited on the panel for AI for Video-Based Learning Workshop at L@S 2020.
- Oct 2019 : Invited Talk at Berkeley Institute of Design - Fall 2019 Seminar Series
- Oct 2019 : Invited Talk at MIT CSAIL HCI Seminar Series 2019
- May 2019 : Invited to give a talk on data-driven techniques for user task modeling @ Institute of Basic Science