Minsuk Chang
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CURRENT POSITION

Naver   Seongnam, South Korea
Research Scientist, AI LAB   Sept, 2020 − Present
Technical Leader, Computational Interaction, CLOVA   Dec, 2020 − Present
- setting up HCI x AI research team
- developing novel interaction techniques using computational models of human cognition
- developing novel conversational AI

EDUCATION

Korea Advanced Institute of Science and Technology   Daejeon, South Korea
PhD in Computer Science, Advisor: Juho Kim   2014-2020
Thesis Title: Mining Sequential Knowledge for Interaction Design

Rutgers, The State University of New Jersey   New Brunswick, NJ, USA
MSc in Statistics   2012-2014

KAIST Business School, Graduate School of Finance   Seoul, South Korea
MSc in Finance with specialization in Financial Engineering, Advisor: Jangkoo Kang   2009-2011
Thesis Title: An Empirical Study on the Existence of Momentum Profits in Asian Stock Markets
- 2011 Best Thesis Award

Simon Graduate School of Business, University of Rochester   Rochester, NY, USA
MSc in Finance - Dual Degree Program with KAIST Business School   2010

Korea Advanced Institute of Science and Technology   Daejeon, South Korea
BSc in Computer Science   2003-2008

PREVIOUS EXPERIENCES

Microsoft Research + AI   Redmond, WA, USA
Research Intern, Information and Data Sciences Group   June − Sept, 2019
- Investigating techniques for recovering from conversational interaction failures
- Designing and building dialogue state managers to support conversational interfaces for exploratory information retrieval tasks

Autodesk Research   Toronto, ON, Canada
User Interface Research Intern, User Interface Group   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   City Name, State
Summer PhD Intern, Creative Intelligence Lab   Jun − Sept, 2018
- Building novel conversational interaction techniques for video interfaces
- Understanding and designing voice user interactions for learning with how-to videos

Costal Management LLC   New York, NY, USA
Quant Research, Props Trading   2012 − 2014
- Researching, modeling and developing alpha generation strategies for arbitrage trade (US Equity)
- Researching trading signals in statistical arbitrage and index arbitrage models, high-mid frequency models.

SELECTED PUBLICATIONS

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 Committe
- SIGCHI Operations Committee
- UIST 2021-2022 Publicity Co-Chair
- CHI 2021-2022 Video Co-Chair
- ISS 2019 Video Chair

Program Committe
- CSCW 2021
- WWW 2020, 2021
- GI 2020

Reviewer
- CHI 2017, 2018, 2019, 2020, 2020 LBW, 2021
- CSCW 2018, 2019, 2020 (Outstanding Review)
- UIST 2017, 2018, 2020
- MobileHCI 2019
- IMWUT 2020 (Outstanding Review)

Student Volunteer
- CHI 2017
- UIST 2017, 20180
- ICML 2020