Youngji Koh

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 github.com/youngji-koh

Education

Ph.D in Computer Science   Sep. 2021 — Present
KAIST, Daejeon, Republic of Korea
Interactive Computing Laboratory (Advisor: Dr. Uichin Lee)

M.S. in Computer Science   Sep. 2019 — Aug. 2021
KAIST, Daejeon, Republic of Korea
Software Architecture Laboratory (Advisor: Dr. Sungwon Kang)

B.S. in Computer Science and Engineering   Mar. 2015 — Aug. 2019
Ewha Womans University, Seoul, Republic of Korea
GPA: 4.02/4.30 (Summa Cum Laude)

Research Interest

Digital Mental Health, User-Centric Design, Personal Informatics

Research Experience

Undergraduate Research Intern   May 2018 — May 2019
Human-Computer Interaction Laboratory, Ewha Womans University (Advisor: Dr. Uran Oh)
- Build a touchscreen-based mobile application as a prototype focusing on 2D paintings which plays object-level verbal descriptions upon users' touch to enable people with visual impairments to explore and understand various artworks independently
- Design a mobile application for conflict management between lovers on mobile messenger

Publications

Journal

[J1] **Deep Learning-based Bug Report Summarization Using Sentence Significance Factors**
Youngji Koh, Sungwon Kang, Seonah Lee
Applied Sciences 2022

Conference

[C2] **Interrupting for Microlearning: Understanding Perceptions and Interruptibility of Proactive Conversational Microlearning Services**
*Minyeong Kim, Jiwook Lee, **Youngji Koh**, Chanhee Lee, Uichin Lee, Auk Kim*
ACM Conference on Human Factors in Computing Systems (CHI 2024)

[C1] **Exploring Context-Aware Mental Health Self-Tracking Using Multimodal Smart Speakers in Home Environments**
Jieun Lim, **Youngji Koh**, Auk Kim, Uichin Lee (*: equal contribution)*
ACM Conference on Human Factors in Computing Systems (CHI 2024)

Poster & Workshop

[P7] **Data Visualization for Mental Health Monitoring in Smart Home Environment: A Case Study**
Youngji Koh, Chanhee Lee, Yunhee Ku, Uichin Lee
IEEE VIS 2023 Workshop on Visual Analytics in Healthcare

[P6] **LV-Linker: Supporting Fine-grained User Interaction Analyses by Linking Smartphone Log and Recorded Video Data**
Hansoo Lee, Sangwook Lee, Youngji Koh, Uichin Lee
ACM Symposium on User Interface Software and Technology (UIST 2022)

[P5] **Bug Report Summarization using Believability Score and Text Ranking**
Youngji Koh, Sungwon Kang, Seonah Lee
International Conference on Artificial Intelligence in Information and Communication (ICAIIC 2021)

[P4] **Deep learning based bug report summarization using sentence assessment score**
Youngji Koh, Sungwon Kang
Korea Software Congress (KSC 2020) *Best Paper Award*

[P3] **Supporting Object-level Exploration of Artworks by Touch for People with Visual Impairments**
Nahyun Kwon, Young-Ji Koh, Uran Oh
ACM SIGACCESS Conference on Computers and Accessibility (ASSETS 2019)

[P2] **Analysis of Conflicts in Romantic Relationships on Mobile Messengers**
Young-Ji Koh, Hyunggu Jung, Uran Oh
HCI Korea 2019

[P1] **Real-time Fire Evacuation System based on Indoor Location Tracking and Route Optimization**
Young-Ji Koh, Naeun Go, ChaeYoon Kim, SooHee Lee, Sangsoo Park
Korea Software Congress (KSC 2018) *Participation Award for Student Paper Competition*

HONORS AND AWARDS

Ewha Womans University Scholarship   Spring 2018
Merit-based scholarship

TEACHING EXPERIENCE

Teaching Assistant, KAIST   Fall 2021, Spring 2023
CS492 Data Visualization

Teaching Assistant, KAIST   Spring 2020
CS204 Discrete Mathematics

COMMUNITY SERVICE

HCI@KAIST   2024
Student Steering Committee