

**Bogoan Kim, Ph.D.**

CONTACT INFORMATION	Building E8-10, Room 302 Chungdae-ro 1, Seowon-gu, Cheongju-si, Chungcheongbuk-do, 28644, Korea	Tel: + 82 - 43 - 261 - 2483 Email: bogoan@cbnu.ac.kr Homepage: <a href="https://bogoankim.github.io/">https://bogoankim.github.io/</a>
EDUCATION	<b>Hanyang University</b> , Seoul, Korea • <i>Ph.D. in Artificial Intelligence</i> – Dissertation: BalancePath: AI-VR Framework for Personalized Adaptive System – Advisor: Prof. Kyungsik Han	Mar 2018 – Feb 2025
	<b>University of Minnesota – Twin Cities</b> , MN, USA • <i>B.S. in Statistics (Graduated with honors)</i> – Thesis: Moderate-to-Vigorous Physical Activity and BP in Hypertensive Adults – Advisor: Prof. Barbara Kuzmak	Sep 2011 – Jan 2017 <i>(2-year military service included)</i>
POSITIONS	<b>Chungbuk National University</b> , Cheongju, Korea • <i>Assistant Professor, School of Information and Communication Engineering</i>	Sep 2025 – Present
	<b>KAIST</b> , Dajeon, Korea • <i>Postdoctoral Researcher, College of Engineering</i> – Advisors: Profs. Hwajung Hong and Uichin Lee	May 2025 – Aug 2025
	<b>Hanyang University</b> , Seoul, Korea • <i>Postdoctoral Researcher, Department of Artificial Intelligence</i> – Advisor: Prof. Kyungsik Han	Mar 2025 – Apr 2025
	<b>The Pennsylvania State University</b> , PA, USA • <i>Visiting Scholar, College of IST</i> – Advisors: Profs. Dongwon Lee and Aiping Xiong	Jan 2020 – Jun 2020
	<b>Indiana University</b> , IN, USA • <i>Visiting Scholar, Luddy School of Informatics</i> – Advisors: Profs. Patrick C. Shih and Georgia C. Frey	Jun 2019 – Sep 2019
AWARDS & HONORS	<b>Jang Young Sil Postdoctoral Fellowship</b>	2025
	<b>Hanyang Postdoctoral Research Fellowship</b>	2025
	<b>NRF of Korea Ph.D. Fellowship</b> • Granted 40M KRW (equivalent to 35,000 USD) stipend for 2-year Ph.D. studies • Proposal title: AI+VR-based QoLT Systems for Social Independence of Autistic Individuals	2023
	<b>SIGCHI Travel Grant</b> for UIST 2023 Doctoral Symposium	2023
	<b>Gary Marsden Travel Award</b> for CHI 2023	2023
	<b>SK Creative Challenge Finalist</b>	2022
	<b>IITP Best Global Research Team Award</b>	2021
	<b>IITP High-Potential Individuals Global Training Fellowship</b> • Support for research @ Pennsylvania State University	2020
	<b>Indiana University Global Talent Attraction Program (GTAP) Fellowship</b> • Support for research @ Indiana University	2019
	<b>Yoonmin Foundation Good Starter Finalist</b> • 3rd generation, Biz section (12 out of 349 teams)	2018
<b>Honors on the Dean's List</b>	2011, 2012, 2015	
<b>Global Excellence Scholarship</b> (merit-based; 4,210 USD)	2011	

## Special Recognitions for Outstanding Reviews

- CHI 2024, CHI 2025, IMWUT 2025, CHI 2026

## Domestic Conference Awards

- Best Paper Awards: KDMS (2024: Grand Paper, Best Paper)
- Best Presentation Award: KIISE KCC (2024)

## PUBLICATIONS

### Conference Proceedings (★ denotes [NRF-recognized top-tier CS conferences](#); \* indicates equal contribution)

- [c.12] QuerySwitch: Supporting the Design Process by Balancing Vagueness through Large Language Models  
★ M Kim, [B Kim](#), and K Han  
**CHI 2026** (*ACM CHI Conference on Human Factors in Computing Systems*)
- [c.11] LAPS: Automating Hypothesis-Driven Statistical Analysis of Public Survey Using Large Language Models  
★ {J Kim\*, D Jeong\*}, B Son, [B Kim](#), and K Han  
**CHI 2026** (*ACM CHI Conference on Human Factors in Computing Systems*)
- [c.10] “I Choose to Live, for Life Itself”: Understanding Agency of Home-Based Care Patients Through Information Practices and Relational Dynamics in Care Networks  
★ {S-I Kim\*, J Park\*}, [B Kim](#), and H Hong  
**CHI 2026** (*ACM CHI Conference on Human Factors in Computing Systems*)
- [c.9] Understanding Human-Multi-Agent Team Formation for Creative Work  
★ H Lim, D Choi, S Nam, [B Kim](#), and H Hong  
**CHI 2026** (*ACM CHI Conference on Human Factors in Computing Systems*)
- [c.8] “I Don’t Know Why I Should Use This App”: Holistic Analysis on Engagement Challenges in Mental Health  
★ {S Jin\*, [B Kim\\*](#)}, and K Han  
**CHI 2025** (*ACM CHI Conference on Human Factors in Computing Systems*)
- [c.7] Narrating Routines through Game Dynamics: Impact of a Routine Management App for Autistic Individuals  
★ [B Kim](#), D Jeong, H Hong, and K Han  
**CHI 2024** (*ACM CHI Conference on Human Factors in Computing Systems*)
- [c.6] V-DAT: Supporting Self-Awareness for Autistic People from Multimodal VR Sensor Data  
★ [B Kim](#), D Jeong, JG Kim, H Hong, and K Han  
**UIST 2023** (*ACM Symposium on User Interface Software and Technology*)
- [c.5] Supporting Independence of Autistic Adults through Mobile and Virtual Reality Technologies  
★ [B Kim](#) (Doctoral Symposium)  
**UIST 2023** (*ACM Symposium on User Interface Software and Technology*)
- [c.4] RoutineAid: Externalizing Key Design Elements to Support Daily Routines of Individuals with Autism  
★ [B Kim](#), S-I Kim, S Park, HJ Yoo, H Hong, and K Han  
**CHI 2023** (*ACM CHI Conference on Human Factors in Computing Systems*)
- [c.3] VISTA: User-Centered VR Training System for Effectively Deriving Characteristics of Autistic Individuals  
★ [B Kim](#), D Jeong, M Jeong, T Noh, S-I Kim, T Kim, S-Y Jang, HJ Yoo, JG Kim, H Hong, and K Han  
**VRST 2022** (*The ACM Symposium on Virtual Reality Software and Technology*)
- [c.2] ChamberBreaker: Mitigating the Echo Chamber Effect through a Gamified Inoculation System  
★ Y Jeon, [B Kim](#), A Xiong, D Lee, and K Han  
**CSCW 2021** (*ACM Conference on Computer-Supported Cooperative Work and Social Computing*)
- [c.1] Photos Don’t Have Me, But How Do You Know Me?: Analyzing and Predicting Users on Instagram  
K Han, Y Jo, Y Jeon, [B Kim](#), J Song, and S-W Kim  
**UMAP 2018** (*ACM Conference on User Modeling, Adaptation and Personalization*)

### Journal Articles (★ denotes JCR 2023 Q1 journal; \* indicates equal contribution)

- [j.10] VR-ACT: Transforming Clinical Evidence of ACT through VR for Subthreshold Depression  
★ [B Kim](#), D Jeong, YS Choi, H Kim, and K Han  
**Springer Virtual Reality** (SCIE, IF = 5.0, Published 2025.12)

- [j.9] Enhancing Mindfulness-Based Cognitive Therapy in a Virtual Reality: A Prospective Interventional Study  
 ★ {B Kim\*, D Jeong\*}, YS Choi, Y Choi, H Kim, and K Han  
**Scientific Reports** (SCIE, IF = 3.9, Published 2025.09)
- [j.8] Development of a Personalized Early Prediction Model for Cybersickness in Virtual Reality  
 YS Choi, D Jeong, B Kim, and K Han  
**KIISE Transactions on Computing Practices** (KCI, Published 2025.06)
- [j.7] Promoting Self-Efficacy of Individuals with Autism in Practicing Social Skills in the Workplace Using Virtual Reality and Physiological Sensors: A Feasibility Study  
 S-I Kim, S-Y J, T Kim, B Kim, D Jeong, T Noh, M Jeong, HJ Yoo, K Han, H Hong, and JG Kim  
**JMIR Formative Research** (SCIE, IF 2.20, Published 2024.01)
- [j.6] A Study on Mobile Game Design to Support Daily Routines of Individuals with Autism  
B Kim, S-I Kim, S Park, HJ Yoo, H Hong, and K Han  
**Journal of the HCI Society of Korea** (KCI, Published 2022.05)
- [j.5] Usability Assessment of a Mobile Health Intervention for Increasing Physical Activity in Autistic Adults  
 DH Lee, GC Frey, A Min, B Kim, DJ Cothran, S Bellini, K Han, and PC Shih  
**Health Informatics Journal** (SCIE, IF = 2.3, Published 2020.09)
- [j.4] PuzzleWalk: A Theory-Driven Iterative Design of a Mobile Game for Promoting Physical Activity in Autistic Adults  
 ★ B Kim, DH Lee, A Min, S Paik, GC Frey, S Bellini, K Han, and PC Shih  
**PLoS ONE** (SCIE, IF = 2.9, Published 2020.09)
- [j.3] No More One Liners: Bringing Context into Emoji Recommendations  
 J-G Kim, T Gong, B Kim, J Park, W Kim, E Huang, K Han, J Kim, JG Ko, and S-J Lee  
**ACM Transactions on Social Computing** 2020
- [j.2] A Systematic Review on Fake News Research through the Lens of News Creation and Consumption: Research Efforts, Challenges, and Future Directions  
 ★ B Kim, A Xiong, D Lee, and K Han  
**PLoS ONE** (SCIE, IF = 2.9, Published 2020.09)
- [j.1] ATM: The Effectiveness of Self-Regulation on Time Management through a Smartphone Application  
B Kim, S-W Lee, H Hong, and K Han  
**IEEE Access** (SCIE, IF = 3.4, Published 2019.07)

#### PATENTS & SOFTWARE

##### Granted Patent

- A Mobile System for Routine Management in Autistic Individuals  
 Registration Number: **KR10-2729263** Oct 2024

##### Filed Patents

- VR Data Analysis Tool to Support Self-Awareness for Autistic Individuals  
 Application Number: **KR10-2023-0116955** Aug 2023
- VR-based Interactive Social Skills Training System for Autistic Individuals  
 Application Number: **KR10-2023-0116954** Aug 2023
- A Multimodal LLM Capturing Inter-modal Dynamics for Personalized VR Sickness Prediction  
 Application Number: **KR10-2025-0100532** Jun 2025

##### Registered Software

- VR-based Dashboard for Clinical Support and Patient Monitoring in Depression Care  
 Registration Number: **C-2024-034698** Oct 2024

#### TEACHING EXPERIENCE

##### Faculty Instructor (\* denotes courses taught in English)

- [GR] Special Topics in Deep Learning\* (8836552-01) Spring 2026
- [UG] Python Programming (0914006-10) Spring 2026
- [UG] Gaesin Frontier II (0281087-12) Spring 2026
- [UG] Capstone Design (5108102-03) Spring 2026
- [UG] Advanced Computer Programming (5108113-01) Spring 2026

- [UG] Intelligent System (5108115-01) Fall 2025
- [UG] Object-Oriented Programming (5108124-01) Fall 2025
- [UG] Fundamental Computer Programming (0914002-18) Fall 2025

**Instructor / Co-lecturer** (\* denotes courses taught in English)

- Computational Social Science\* Spring 2025
- Human-Computer Interaction\* Fall 2024
- Human-Computer Interaction\* Fall 2023
- Introduction to Software Design\* Spring 2023
- Creative Software Design\* Fall 2022
- Introduction to Software Design\* Spring 2022
- Creative Software Design\* Fall 2021
- Data Structures and Practice\* Spring 2021
- AI Intensive Class Fall 2019
- Data Structures and Practice\* Spring 2019

**Teaching Assistant**

- Algorithms Fall 2020
- Introduction to AI Programming Language Spring 2020
- The Basics of Data Analytics Fall 2018
- The Basics of Data Analytics Spring 2018

**INVITED &  
SELECTED TALKS**

**Lab Guest Speaker Session**, Seoul, Korea Aug 2025

- Host: MINDS Lab @ Chung-Ang University
- Topic: Designing Sociotechnical Systems for People in Need

**Europe-Korea Conference 2025 Seminar**, Seoul, Korea Aug 2025

- Host: College of Electrical & Computer Engineering @ Chungbuk National University
- Topic: The Role of HCI Researchers in the Development of Digital Therapeutics

**Lab Guest Speaker Session**, Dajeon, Korea May 2025

- Host: DxD Lab @ KAIST
- Topic: AI-Infused Software Systems for Solving Real-World Challenges

**Omnibus Lecture Series on Computational Social Science**, Seoul, Korea Mar 2025

- Host: Department of Data Science @ Hanyang University
- Topic: User-Centered Digital Healthcare

**Computational Social Science Colloquium**, Seoul, Korea May 2024

- Host: Center for Computational Social Science @ Hanyang University
- Topic: Sociotechnical Systems for People Who Are in Need

**Top Conference Session**, Hongcheon, Korea Jan 2024

- Host: HCI Korea 2024
- Topic: Impact of a Gamified Routine Management App for Autistic Adults

**UIST Doctoral Symposium**, San Francisco, CA USA Oct 2023

- Host: ACM UIST 2023
- Topic: AI-VR Framework for Personalized Adaptive System

**Top Conference Session**, Jeju, Korea Jun 2023

- Host: Korea Computer Congress (KCC) 2023
- Topic: Externalizing Key Design Elements to Support Daily Routines of Autistic Adults

**IITP Global Talent Program Workshop**, Seoul, Korea Dec 2021

- Host: Institute of Information & Communications Technology Planning & Evaluation (IITP)
- Topic: Explainable Fake News Detection with Deep Learning and Human Factors

**HCI Korea Doctoral Colloquium**, Seoul, Korea Jan 2021

- Host: HCI Korea 2021
- Topic: Designing Inclusive Mobile Applications for Marginalized Populations

	<b>Global Talent Attraction Program Conference</b> , Bloomington, IN USA • Host: Luddy School of Informatics, Computing, and Engineering @ Indiana University • Topic: Designing a Mobile Game to Promote Physical Activity in Autistic Adults	Jun 2019
	<b>Global Challenge Program Symposium</b> , Tokyo, Japan • Host: Environment and Information Studies @ Keio University • Topic: Effectiveness of a Smartphone App in Self-Regulating Time Management	Jun 2018
ACADEMIC SERVICES	<b>Conference Reviewer</b> <ul style="list-style-type: none"> <li>The Conference on Human Factors in Computing Systems (<b>CHI</b>)</li> <li>The Conference on Interactive, Mobile, Wearable and Ubiquitous Technologies (<b>IMWUT</b>)</li> <li>The Designing Interactive Systems Conference (<b>DIS</b>)</li> <li>The Conference on Computer-Supported Cooperative Work &amp; Social Computing (<b>CSCW</b>)</li> <li>The Conference on Information and Knowledge Management (<b>CIKM</b>)</li> <li>The Symposium on Applied Computing (<b>SAC</b>)</li> </ul>	2019 - 2026 2019 - 2025 2025 2019 - 2024 2021 - 2023 2022
	<b>Journal Reviewer</b> <ul style="list-style-type: none"> <li>ACM Transactions on Accessible Computing</li> <li>Expert Systems With Applications</li> <li>JMIR Formative Research</li> <li>The Nature Scientific Reports</li> <li>The Taylor and Francis Interactive Learning Environments</li> </ul>	2026 2025 2025 2024 2023
	<b>Student Volunteer</b> <ul style="list-style-type: none"> <li>The Conference on Mobile Systems, Applications, and Services (<b>MobiSys</b>)</li> </ul>	2019
ACADEMIC MENTORSHIP	<b>Mentored Students</b> <ul style="list-style-type: none"> <li>C Lee, Chungbuk National University (Master's Student)</li> <li>S Seo, Chungbuk National University (Undergrad. Student)</li> <li>D Jeong, Chungbuk National University (Undergrad. Student)</li> <li>D Lee, Chungbuk National University (Undergrad. Student)</li> <li>J Kim, Hanyang University (Ph.D. Student)</li> <li>L McNulty, University of Delaware (Ph.D. Student)</li> <li>H Lim, KAIST (Ph.D. Student)</li> <li>S-I Kim, Seoul National University (MD, Ph.D. Student)</li> <li>J Park, KAIST (Master's Student)</li> <li>M Kim, Hanyang University (Ph.D. Student)</li> <li>YS Choi, Hanyang University (Master's Student)</li> <li>D Jeong, Hanyang University (Ph.D. Student)</li> <li>S Paik, Ajou University (Master's Student)</li> </ul>	Fall 2025 - Present Fall 2025 - Present Fall 2025 - Present Fall 2025 - Present Spring 2025 - Fall 2025 Spring 2025 - Fall 2025 Spring 2025 - Fall 2025 Fall 2024 - Fall 2025 Spring 2025 - Fall 2025 Spring 2024 - Present Fall 2023 - Spring 2026 Spring 2022 - Present Spring 2019 - Fall 2020
PRESS & INTERVIEWS	<b>Research Media Coverage</b> <ul style="list-style-type: none"> <li>한양대 한경식 교수팀 "정신건강관리 앱 지속사용 한계..."</li> <li>KAIST 등, 자폐스펙트럼장애 직장 적응 돕는 VR 개발</li> <li>New game can help users identify, avoid online echo chambers</li> </ul>	May 2025 Jan 2023 Oct 2021
	<b>Other Experience</b> <ul style="list-style-type: none"> <li>미네소타대 한국인 유학생들의 별난 '독도 사랑'</li> </ul>	May 2016
REFERENCES	<i>References available upon request.</i>	