

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: https://bogoankim.github.io/
EDUCATION	Hanyang University , Seoul, Korea • <i>Ph.D. in Artificial Intelligence</i> – Dissertation: BalancePath: AI-VR Framework for Personalized Adaptive System – Advisor: Prof. Kyungsik Han University of Minnesota – Twin Cities , 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	Mar 2018 – Feb 2025 Sep 2011 – Dec 2016 (2-year military service included)
POSITIONS	Chungbuk National University , Cheongju, Korea • <i>Assistant Professor, School of Information and Communication Engineering</i> KAIST , Dajeon, Korea • <i>Postdoctoral Researcher, College of Engineering</i> – Advisors: Profs. Hwajung Hong and Uichin Lee Hanyang University , Seoul, Korea • <i>Postdoctoral Researcher, Department of Artificial Intelligence</i> – Advisor: Prof. Kyungsik Han The Pennsylvania State University , PA, USA • <i>Visiting Scholar, College of IST</i> – Advisors: Profs. Dongwon Lee and Aiping Xiong Indiana University , IN, USA • <i>Visiting Scholar, Luddy School of Informatics</i> – Advisors: Profs. Patrick C. Shih and Georgia C. Frey	Sep 2025 – Present May 2025 – Aug 2025 Mar 2025 – Apr 2025 Jan 2020 – Jun 2020 Jun 2019 – Sep 2019
AWARDS & HONORS	Jang Young Sil Postdoctoral Fellowship Hanyang Postdoctoral Research Fellowship NRF of Korea Ph.D. Fellowship • 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 SIGCHI Travel Grant for UIST 2023 Doctoral Symposium Gary Marsden Travel Award for CHI 2023 SK Creative Challenge Finalist IITP Best Global Research Team Award IITP High-Potential Individuals Global Training Fellowship • Support for research @ Pennsylvania State University Indiana University Global Talent Attraction Program (GTAP) Fellowship • Support for research @ Indiana University Yoonmin Foundation Good Starter Finalist • 3rd generation, Biz section (12 out of 349 teams) Honors on the Dean's List Global Excellence Scholarship (merit-based; 4,210 USD)	2025 2025 2023 2023 2023 2022 2021 2020 2019 2018 2011, 2012, 2015 2011

Special Recognitions for Outstanding Reviews

- CHI 2024, CHI 2025, IMWUT 2025

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.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 Sthreshold Depression
★ [B Kim](#), D Jeong, YS Choi, H Kim, and K Han
Springer Virtual Reality (SCIE, IF = 5.0, Published 2025.11)
- [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 he 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 Oct 2024
Registration Number: **KR10-2729263**

Filed Patents

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

Registered Software

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

TEACHING EXPERIENCE

Faculty Instructor

- Intelligent System (5108115-01) Fall 2025
- Object-Oriented Programming (5108124-01) Fall 2025
- 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 TALKS	Lab Guest Speaker Session , Seoul, Korea	Aug 2025
	<ul style="list-style-type: none"> • Host: DMAIS Lab @ Chung-Ang University • Topic: Designing Sociotechnical Systems for People in Need 	
	Europe-Korea Conference 2025 Seminar , Seoul, Korea	Aug 2025
	<ul style="list-style-type: none"> • 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
	<ul style="list-style-type: none"> • Host: DxD Lab @ KAIST • Topic: Software Systems for Solving Real-World Challenges 	
	Omnibus Lecture Series on Computational Social Science , Seoul, Korea	Mar 2025
	<ul style="list-style-type: none"> • Host: Department of Data Science @ Hanyang University • Topic: User-Centered Digital Healthcare 	
	Computational Social Science Colloquium , Seoul, Korea	May 2024
	<ul style="list-style-type: none"> • Host: Center for Computational Social Science @ Hanyang University • Topic: Sociotechnical Systems for People Who Are in Need 	
	Top Conference Session , Hongcheon, Korea	Jan 2024
ACADEMIC SERVICES	<ul style="list-style-type: none"> • Host: HCI Korea 2024 • Topic: Impact of a Gamified Routine Management App for Autistic Adults 	
	Top Conference Session , Jeju, Korea	Jun 2023
	<ul style="list-style-type: none"> • 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
	<ul style="list-style-type: none"> • Host: Institute of Information & Communications Technology Planning & Evaluation (IITP) • Topic: Explainable Fake News Detection with Deep Learning and Human Factors 	
	Global Talent Attraction Program Conference , Bloomington, IN USA	Jun 2019
	<ul style="list-style-type: none"> • Host: Luddy School of Informatics, Computing, and Engineering @ Indiana University • Topic: Designing a Mobile Game to Promote Physical Activity in Autistic Adults 	
	Global Challenge Program Symposium , Tokyo, Japan	Jun 2018
	<ul style="list-style-type: none"> • Host: Environment and Information Studies @ Keio University • Topic: Effectiveness of a Smartphone App in Self-Regulating Time Management 	
	Conference Reviewer	
	<ul style="list-style-type: none"> • The Conference on Human Factors in Computing Systems (CHI) • The Conference on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT) • The Designing Interactive Systems Conference (DIS) • The Conference on Computer-Supported Cooperative Work & Social Computing (CSCW) • The Conference on Information and Knowledge Management (CIKM) • The Symposium on Applied Computing (SAC) 	2019 - 2026 2019 - 2025 2025 2019 - 2024 2021 - 2023 2022
REFERENCES	Journal Reviewer	
	<ul style="list-style-type: none"> • JMIR Formative Research • The Nature Scientific Reports • The Taylor and Francis Interactive Learning Environments 	2025 2024 2023
	Student Volunteer	
	<ul style="list-style-type: none"> • The Conference on Mobile Systems, Applications, and Services (MobiSys) 	2019
	<i>References available upon request.</i>	