

# MINYOUNG PARK

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## EDUCATION

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**National University of Singapore**, Singapore  
Ph.D. in Computer Science, School of Computing

Aug. 2026 – Present

**Seoul National University of Science and Technology**, Seoul, South Korea  
M.S. in Applied Artificial Intelligence  
GPA: 4.5/4.5 (Major GPA: 4.5/4.5)

Sep. 2024 – Feb. 2026

- Master's thesis: Designing empathetic self-disclosure in LLM-based chatbots to enhance students' self-reflection, engagement, and assessment accuracy in academic stress assessment

**Seoul National University of Science and Technology**, Seoul, South Korea  
B.S. in Applied Artificial Intelligence  
GPA: 4.35/4.5 (Major GPA: 4.5/4.5)

Mar. 2021 – Aug. 2024

- Bachelor's thesis: 'Gomin Moni': An academic stress management platform for university students

## SELECTED PUBLICATIONS

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- **Park, M., Fels, S., & Seo, K. (2025).** Enhancing academic stress assessment through self-disclosure chatbots: effects on engagement, accuracy, and self-reflection. **International Journal of Educational Technology in Higher Education**, 22(1), 28. – **SSCI, JCR Top 0.1%, IF 16.7, Q1**
- **Park, M., Park, B., & Seo, K. (2025, April).** How Self-Disclosing Chatbots Influence Student Engagement, Assessment Accuracy, and Self-Reflection in Academic Stress Assessment. In Proceedings of the Extended Abstracts of the **CHI Conference on Human Factors in Computing Systems** (pp. 1-10).
- **Park, M., Park, B., & Seo, K. (2025).** The impact of self-disclosing chatbots for academic stress assessment on student self-reflection. Proceedings of HCI Korea, 560-568. – **Best Paper Award**

## RESEARCH EXPERIENCE

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**AI4SG & Palette Lab, National University of Singapore**

Research Advisor: Prof. Yi-Chieh Lee & Prof. Jane E

*Graduate Researcher (Ph.D. Lab Rotation)*

Aug. 2026 –

**Human-centered Artificial Intelligence (HAI) Lab, Seoul National University of Science and Technology**

Research Advisor: Prof. Kyoungwon Seo

*Graduate Researcher*

Sep. 2024 –

- **(Sep. 2025 – Present) Development and Validation of GUI Agent Technologies for Expert- and User-Generated AI-Based UX Accessibility Evaluation Automation**  
National Research Foundation of Korea (NRF)  
*Research Assistant*
  - Designed a GUI agent capable of performing expert-level automated evaluations of UX accessibility
  - Planned and implemented experimental protocols for validating human–AI comparative performance in accessibility assessments
- **(May 2025 – Sep. 2025) Policy Framework for Rational Support of AI R&D and Investment Incentives**  
Ministry of Economy and Finance (MOEF)  
*Lead Researcher*
  - Conducted cross-national review of AI tax incentive systems and advanced technology classification
  - Proposed criteria for designating AI as national strategic technology, adopted in Restriction of Special Taxation Act (RSITA) amendments
- **(Jul. 2023 – Aug. 2025) AI Copilot Technologies for Adaptive, Teacher-Augmented Learning in Future Classrooms**  
Institute for Information & Communications Technology Planning & Evaluation (IITP)  
*Research Assistant*
  - Built counseling chatbot and analysis models supporting AI-driven student coaching
  - Co-developed an integrated platform enabling personalized teacher-augmented learning

- **(Jan. 2024 – May 2025) Study of Self-Disclosing Chatbot in Academic Stress Assessment**

Institute for Information & Communications Technology Planning & Evaluation (IITP)

*Lead Researcher*

- Developed a self-disclosing chatbot to enhance self-reflection in academic stress assessment and conducted an experiment with 50 university students
- Analyzed conversation logs and interview data to examine the impact of chatbot self-disclosure on academic stress assessment

**Human Communication Technologies (HCT) Lab, The University of British Columbia**

Research Collaborator: Prof. Sidney Fels

*Visiting Researcher*

Jan. 2025 – Feb. 2025

- **(Jan. 2025 – Feb. 2025) Study of Cross-Cultural Self-Disclosing Chatbot**

Institute for Information & Communications Technology Planning & Evaluation (IITP)

*Lead Researcher*

- Investigated cultural variation in interactions with self-disclosing chatbots
- Conducted pilot studies with UBC students and analyzed conversation logs and interview data

**Human-centered Artificial Intelligence (HAI) Lab, Seoul National University of Science and Technology**

Research Advisor: Prof. Kyoungwon Seo

*Undergraduate Researcher*

Feb. 2022 – Aug. 2024

- **(Mar. 2023 – Feb. 2024) Exploration of the Application of LLMs to Support Teachers in Educational Settings**

Lab Project

*Research Assistant*

- Fine-tuned an LLM to generate student competency analysis reports and validated its effectiveness through expert interviews
- Identified the potential and limitations of LLMs in supporting competency assessment and report generation

- **(Mar. 2022 – Feb. 2024) Development of Multimodal Deep Learning–Based Digital Biomarkers for Early Dementia Diagnosis Using VR Daily Activity Data**

National Research Foundation of Korea (NRF)

*Research Assistant*

- Collected daily VR kiosk interaction data from mild cognitive impairment (MCI) and healthy control (HC) participants in collaboration with Hanyang University Guri Hospital
- Built multimodal VR behavior–based predictive models to distinguish MCI from healthy controls

- **(Feb. 2022 – Feb. 2023) Prediction of At-Risk Students Through Online Learning Data Analysis**

Lab Project

*Lead Researcher*

- Analyzed Open University Learning Analytics Dataset (OULAD) online learning logs to characterize student engagement patterns under the ICAP framework
- Built an at-risk student prediction model using feature engineering and data-driven analysis to support early intervention

## TEACHING EXPERIENCE

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***Teaching Assistant***

Human-centered AI, Seoul National University of Science and Technology

Fall 2025

- Co-developed a comprehensive and well-structured course syllabus.
- Designed a chatbot development assignment emphasizing safety, accuracy, and human-centered interaction
- Supported lectures, guided students on assignments, and graded exams

***Teaching Assistant***

Deep Learning, Seoul National University of Science and Technology

Fall 2024

- Designed a final project applying CNN-based deep learning models to predict drivers' physical and cognitive states from image data
- Supported lectures, guided students on project implementation, and graded assignments and exams

## ADDITIONAL INFORMATION

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**Skills:** HCI theories and models, experimental design, UX design, user research, prototyping, usability testing, Python, C/C#, Dart, SPSS, ML/DL, feature engineering, AI agent development

**Honors and Awards:** *NUS Research Scholarship*, 2026–Present, National University of Singapore; *AI SeoulTech Graduate Scholarship* (₩5,000,000), 2025, Seoul Scholarship Foundation; *Full Tuition Academic Scholarship*, 2021–2024, Seoul National University of Science and Technology; *Best Paper Award*, 2025 HCI Korea; *Best Poster Award*, 2024 Capstone Design, Seoul National University of Science and Technology

**Patents:** Self-Disclosure Chatbot and Its Method Assisting Accurate Academic Stress Assessment through Self-Reflection (Patent App. No. 10-2024-0102214, filed Aug. 2024)