

Soyeon Choi

☎ (+82) 10-4799-1821 | ✉ soyn.choi@gmail.com | 🗄 clr4takeoff | 📁 portfolio | 📧 soyeonch01

Education

Chungnam National University (CNU)
B.S. in Computer Science & Engineering (CSE)

Daejeon, South Korea
03/2023 – 02/2027 (Expected)

Publications

[P1] Now or Later? Exploring Feedback Delivery Timing in AI-Based Emotional Support

Soyeon Choi, Yuju Kang, Gyeyoung Jung, Jaejeung Kim
ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp), 2026 (to appear)

[P2] Mimicall: Design and Evaluation of a Speech Elicitation System for Children with Language Development Delay

Chaeun Noh, Yuju Kang, Soyeon Choi, Seohyeong Lee, Sewon Ahn, Youngwoo Jo, Hojung Choi, Jaejeung Kim
Korea Computer Congress (KCC), 2026

[P3] SPEAR: Sorting-based Permuted Embedding Architecture for Recognition

Hojung Choi, Chaeun Mun, Soyeon Choi, Gyugeon Yoo, Venkatesan Muthukumar
Korea Computer Congress (KCC), 2026

[P4] MyListener: An AI-Mediated Journaling Mobile Application for Alleviating Depression and Loneliness Using Contextual Data

Gyeyoung Jung, Soyeon Choi, Yuju Kang, Jaejeung Kim
ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp), 2024

Patent

System and Method for Creating a Diary Based on User Context Inference

Patent No. 1027788990000 · Issued on Mar 5, 2025

Experience

Research Intern CSTL, KAIST

Daejeon, South Korea, 07/2026 – Present

- Conducted literature review and implemented a prototype for a multi-agent knowledge artifact framework.
Advisor: Prof. Joseph Seering

Research Intern WellComLab, CNU

Daejeon, South Korea, 01/2024 – Present

- Led the research design, development, and evaluation of an LLM-based AI journaling application, including user studies, interviews, and statistical analysis to derive design implications.
Advisor: Prof. Jaejeung Kim

Short-term Student Dept. Electrical and Computer Engineering, UNLV

Las Vegas, USA, 02/2026

- Completed Embedded AI/ML workshops with hands-on experience in sensor integration and IoT programming.
- Conducted research on Vision Transformer patch reordering. (see P2)
Advisor: Prof. Venkatesan Muthukumar

Selected Projects

HyperAgent: Multi-Agent Framework for Knowledge Artifact Interaction

07/2026 – Present

- Conducted literature review on multi-agent knowledge artifact frameworks.

NLP-Based Persuasion and Nudging Framework

03/2026 – Present

- Designing a framework that classifies the ambiguity of user responses via NLP and adaptively adjusts AI persuasion strategies based on inferred emotional state.
- Designing experimental cases and decision-outcome analysis plans across domains such as health behavior and emotional regulation.

Now or Later? Exploring Feedback Delivery Timing in AI-Based Emotional Support

08/2024 – 07/2026

- Built a Flutter/GPT-4o mobile app to study how AI feedback timing affects emotional support perception.
- Designed and deployed a 4-week field study (N=24) analyzing user interactions under immediate vs. delayed feedback conditions.
- First-authored two manuscripts submitted to ACM CHI '26 (full paper, Late-Breaking Work); one accepted as a poster at ACM UbiComp '26. (see P1)

Korean Validation of PETS Scale

03/2025 – 07/2026

- Collaborated with researchers from LMU Munich to validate the Korean version of the Perceived Empathy of Technology Scale.
- Prepared survey materials and video stimuli for a large-scale study (N=400) via Embrain.

Mimicall: AI Character Video Call for Children with Speech Delays (see P2)

09/2025 – 12/2025

- Built a Flutter-based AI video call app using GPT-4o, ElevenLabs, and GoEnhance AI to support speech development in children.
- Consulted with a speech therapy center and conducted in-the-wild usability testing to evaluate real-world effectiveness (N=7).

MyListener: AI-Mediated Journaling Mobile Application (see P4)

01/2024 – 06/2024

- Conducted user interviews and derived design implications on human-AI intimacy for a context-aware journaling app, as second author.
- Refined the UI, reviewed literature, and participated in and analyzed interviews.

Certifications

Advanced Learning Algorithms	DeepLearning.AI
Credential ID M8QLFHO0MBX9	Nov. 2025
Supervised Machine Learning: Regression and Classification	DeepLearning.AI
Credential ID U9DVCRO75HPQ	Oct. 2025
SQLD (SQL Developer)	Korea Data Agency (K-DATA)
Credential ID SQLD-057015676	Jun. 2025

Awards and Honors

Academic Achievement Scholarship	CNU CSE
Full Tuition (2025–2026), Partial Tuition (2023–2024)	2023 – 2026
2nd Prize, KAIST-CNU 2024 Joint Startup Camp	Startup KAIST, CNU Startup Support
Led a team by fostering collaboration and empowering members' strengths.	Aug. 2024
2nd Prize, A.B.C.D. Intellectual Property Startup Hackathon	CNU Start-up support
Devised a patent-driven service model and formulated a strategic branding roadmap.	Jul. 2024
2nd Prize, 2024 CNU SW/AI Project Fair — Junior category	CNU CSE
Built user-centered software through user interviews and usability testing.	Jun. 2024
1st Prize, 2023 Idea Collathon	CNU SW Project Group, CNU CSE
Conducted user research (n=36) to optimize software usability and maximize business value.	Dec. 2023
3rd Prize, KAIST-CNU 2023 Joint Startup Camp	Startup KAIST, CNU Startup Support
Designed user-centered UI and developed a business model based on user needs.	Aug. 2023

Activities

Treasurer (2024) · Member (2023) ARGOS(Cybersecurity Club)	2023 – 2024
◦ Managed annual budgeting and coordinated with club executives to ensure financial transparency across the ~70-member team, while organizing seminars and other club activities.	

Skills

Programming Languages:  Python,  Dart,  TypeScript,  C++,  Java
Frameworks: Flutter, Firebase, Flask, React, Vite, Electron
Tools: Claude Code, Antigravity, VS Code, Git, Docker, Xcode, Android Studio, Notion, Obsidian, Slack
Languages: Korean (native), English, Japanese, Chinese