

Soyeon Choi

☎ (+82) 10-4799-1821 | ✉ soyn.choi@gmail.com | 🔗 clr4takeoff | 🌐 clr4takeoff.github.io | 📧 soyeonch01

Education

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

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

Publications

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

Gyeoung Jung, Soyeon Choi, Yuju Kang, Jaejeung Kim
ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp '24), 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 CNU WellComLab 01/2024 – Present

- Developed an LLM-based AI journaling application and conducted user studies to evaluate its impact on mental health and wellbeing.
- Performed user testing, interviews, and statistical analysis to validate research hypotheses and derive design implications.

Short-term Student University of Nevada, Las Vegas 02/2026

- Completed Embedded AI/ML workshops with hands-on experience in sensor integration and IoT programming using Raspberry Pi, M5Stack, and drones.

Treasurer ARGOS (club) 12/2023 – 12/2024

- Systematically managed annual budgeting and coordinated with club executives to ensure financial transparency across the ~70-member team.

Projects

AI Journaling App: Timing-Aware Emotional Support Research 08/2024 – Present

- 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).

Korean Validation of PETS Scale 03/2025 – Present

- 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 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).

Web Development Projects 2024 – 2025

- Redesigned the ARGOS club website using JavaScript, designing DB schema for the bulletin board and frontend for the archive page.
- Built a web-based airline reservation system with Flask, Python, and Oracle DB, supporting real-time booking and email notifications.
- Developed a productivity web app with JavaScript, GPT-4, and TensorFlow.js for AI-assisted scheduling and webcam-based focus tracking.

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

2nd Prize, KAIST-CNU 2024 Joint Startup Camp Startup KAIST, CNU Startup Support Foundation

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 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 Foundation

Designed user-centered UI and developed a business model based on user needs. Aug. 2023

Skills

Programming Languages: 🐍 Python, 🟡 Dart, 📘 TypeScript, 🟢 C++, ☕ Java

Tools and Frameworks: Tools and Frameworks: GitHub, Android Studio, Visual Studio Code, Xcode, Flutter, Firebase, Flask, Slack, Notion, Obsidian

Languages: Korean (native), English (Basic), Japanese (Beginner), Chinese (Beginner)