

Hyunji Kim

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EDUCATION

Hanyang University

Seoul, Korea

Mar. 2021 – Aug. 2025 (Expected)

B.S. in Data Science (Major in Cognitive Science)

B.S. in Biomedical Engineering (Double major)

Current GPA: 4.24/4.50

Arizona State University

Tempe, AZ

Aug. 2023 – May 2024

Exchange Program

GPA: 4.12/4.30

WORK EXPERIENCE

Intelligent Mobile Computing Lab (IMC Lab)

Seoul, Korea

Hanyang University, Undergraduate Research Assistant

Jan. 2025 – Present

Hanyang Digital Health Care Center (HY-DHC)

Seoul, Korea

Hanyang University, Undergraduate Research Assistant

Jun. 2024 – Dec. 2024

Neural Control of Movement Lab (NCMLab)

Tempe, AZ

Arizona State University, Undergraduate Research Assistant

Jan. 2024 – May 2024

PROJECTS

User Characteristics by Depression Levels Based on Mobile Data

Jun. 2024 – Dec. 2024

- Evaluated depression alleviation in a mental health app using CESD-10-D and PHQ-9.
- Analyzed user engagement and behavioral patterns in mental health webtoons and color expression activities.

'Let's Recipes': App Concept and UX Design

Aug. 2023 – Nov. 2023

- Conceptualized a barcode-scanning recipe app to unify scattered recipe data.
- Designed UI/UX using Gestalt principles and conducted A/B testing in Figma to optimize usability.

Pathways to Sustainable Future

Mar. 2023 – Jun. 2023

- Developed a multilinear regression model to predict CO2 emissions and optimize solar energy policies in the U.S. and Korea.

Context-based Personalized Music Recommendation System

Mar. 2023 – Jun. 2023

- Improved Word2Vec model from scratch using IMDB movie reviews, adding an extra hidden layer to better capture context and user preferences.

Forest Fire Prediction

May 2022 – Jun. 2022

- Developed a wildfire damage area prediction model for Korea using AdaBoost, XGBoost, and LightGBM, among others, and conducted performance comparison across six models.

Present and Direction of Online Education

Aug. 2021 – Dec. 2021

- Proposed a data-driven framework for balancing online and offline education.

RESEARCH INTERESTS

Digital Healthcare, Human-Computer Interaction, Large Language Models, Computer Vision

EXTRA-CURRICULAR ACTIVITIES

Data Science South Korea/ US (DSKUS) Global Lab

Mar. 2023 – Jun. 2023

- Funded by the U.S. Embassy in South Korea and the U.S. State Department.
- Collaborated on a global data science project (*Pathways to a Sustainable Future*), tackling real-world international policy challenges.

SKILLS

Programming Skills: Python, C/C++, Java, PostgreSQL, PyTorch, HTML

Languages: Korean (native), English (High-intermediate)

Certifications: ADsP (Advanced Data Analytics Semi-Professional)

SCHOLARSHIPS

Sep. 2024	Seoul Hope University Career Scholarship (by Seoul Scholarship Foundation)
July 2023	MIRAE ASSET Scholarship Program
Spring 2023	Academic Excellence Scholarship – 40% of tuition
Fall 2022	National Scholarship (Co-op) of Creative Korea 2