

**SOLA
KIM**

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github.com/ffe4el
ffe4el.tistory.com

EDUCATION

B.S. in Engineering | *Jeonbuk National University*

Double Major: Digital Agriculture, Computer Science and Artificial Intelligence
Total GPA 4.05/4.5, Double Major GPA 4.12/ 4.5

Mar 2021 – Feb 2026
Jeonju, KOREA

M.S. in Engineering | *KAIST*

Culture Technology

Mar 2026 – Feb 2028
Daejeon, KOREA

WORK EXPERIENCE

Intern

Korea Advanced Institute of Science & Technology (KAIST)

- Graduate School of Culture Technology, Visual Media Lab
- Development of Virtual Space Automation and Intelligent Editor Technology based on Space Interface
- 3D Vision, Computer Vision, 3D Reconstruction

Jan 2025 – Feb 2026
Daejeon, KOREA

Intern

Qualcomm Institute(QI), University of California, San Diego(UCSD)

- QI Artificial Intelligence(AI) Development Project
- Prediction and Detection of Side Effects Following COVID-19 Vaccinations Using Artificial Intelligence Algorithms
- Python, KNIME

Jan – Sep 2024
San Diego, CA, USA

Research Assistant

Medical AI, Computational Science Lab

- Medical Ultrasonography/Sonography

Apr 2024 – Nov 2024
Jeonju, KOREA

AI Research Intern

OnCreative

- Implementation of a Service for Detecting Manipulative Elements in Deepfake
- Github Open Source repository [Click]

Jul 2023 – Oct 2023
Seoul, KOREA

Research Assistant

Smart Digital Agriculture Lab

- Arduino Software, Web Software
- Create Parcel-Level Nitrogen Maps Using QGIS [Click]

Feb 2022 – Dec 2022
Jeonju, KOREA

CONFERENCES

1. **Sola Kim**, Jiseok Yoon, Daeun Jeong, Hoyoung Kim and Seokheon Cho, "Research on Text Data Extraction for Medical History and Allergy of COVID-19 Vaccine Recipients based on Large Language Model (LLM)," *2024 The Korean Institute of Communications and Information Sciences (KICS) Summer Conference*, Jeju, Korea, June 2024
2. **Sola Kim** and Seokheon Cho, "Development of an Artificial Intelligence Algorithm-Based Prediction Model for COVID-19 Vaccine Adverse Effects Considering Individual Medical History and Allergies," *under submitted*
3. Seokhyeon Hong, Hyunwoo Kwak, Chaelin Kim, Kwan Yun, Junhyuk Jeon, Junghyun Nam, **Sola Kim** and Junyong Noh, "SHIFT: Synthesizing Human-Object Interactions from Text via Latent-aligned Mutual Denoiser," *under submitted*

PROJECTS AND RESEARCH

Street View Perception

May 2024 – Jun 2024

DYSA-OS

- Computer Vision Project
- Using: Place Pulse, LLaVA, DenseNet121, HRNet, Pytorch
- Open Source [\[Click\]](#)

Face Recognition Automatic Attendance and Academic Management Web Service

Apr 2023 – Aug 2023

DYSA-OS

- Web Application
- Using: python, flask, Java, SpringBoot, MySQL
- Open Source [\[Click\]](#)

Implementation of a Mini-chamber with Arduino

Jun 2022 – Oct 2023

Smart Digital Agriculture Lab

- Arduino Software
- Using: python, flask, Arduino, Raspberry Pi
- Implementation of a Mini-chamber for Real-time Environmental Monitoring and Controlling by the Growth Stages Based on the AI Model
- Attend with Poster 2022 Fall KSHS [\[Click\]](#)
- Best Poster Presentation Award in 2022 Fall KSBEC [\[Click\]](#)

CERTIFICATES

KNIME L1 Certificate

Feb 2024

KNIME

- AI Analytics Tool

Qualcomm Institute(QI) Certificate

Feb 2024

Qualcomm Institute(QI), University of California, San Diego(UCSD)

- QI Artificial Intelligence Development Project

AI Project Training Certificate

Nov 2023

Artificial Intelligence Industry Cluster Agency

- ComputerVision, Generate AI

Univ joint Hackathon Certificate

Jun 2023

National Program of Excellence in Software

- Backend Engineering

LG Aimers Certificate

Apr 2023

LG AI Research

- Smart Factory Product Quality State Classification

HONORS AND AWARDS

Generative AI for Services Software Development Competition, Silver Prize National Center of Excellence in Software	Jun 2024
Artificial Intelligence Online Competition, Encouragement Award National Center of Excellence in Software	Jun 2024
Geospatial Information AI Competition, Grand Prize MOLIT (Ministry of Land, Infrastructure and Transport)	Feb 2024
JBNU Development Project Competition, Silver Prize Jeonbuk National University	Dec 2023
Oasis Hackathon, Special Prize AICA (Artificial Intelligence Industry Cluster Agency)	Aug 2023
Best Poster Presentation Award KSBEK (The Korean Society of Bio-Environment Control)	Dec 2022
a Representative of College Jeonbuk National University	Mar 2022
Agricultural Technology Start-up, Encouragement Award FACT (Foundation of Agri, Tech, Commercialization and Transfer)	Jan 2022

SKILLS

English: TOEIC 760

Programming: Lang: Python, Java, C/C++, Framework: Spring, Django, Flask, Pytorch, Tensorflow, KNIME, DB: MySQL, SQLite

Document and Collaboration tool: Microsoft Office Suite, LaTeX, Markdown, Github/Git, Jira