

LAUREN JEONGWON JEE

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PROFESSIONAL SUMMARY

AI developer specializing in HCI for public safety, applying rigorous methods and responsible practices to deliver **reliable, deployable AI systems** under real-world constraints with measurable impact.

EDUCATION

Konyang University

Daejeon, South Korea

Bachelor of Science : Medical Artificial Intelligence

Expected in Feb 2026

- **Major GPA** : [4.19/4.5] / GPA : [4.05/4.5]
- **Scholarships** : Academic Excellence — **Half tuition** (Oct 2024); **Full tuition** (Mar 2023).
- **Honors / Awards** : KAICTS Spring Conference — Excellence Presentation Award (May 2025).
: WCRC Logistics Robot Competition — National Assembly Member's Award (May 2025).
: AWS DeepRacer Autonomous Driving Competition — Team 1st & Individual 2nd (Nov 2024).
: Microsoft Cloud AI Service Development Competition — Participation Award (Nov 2024).

EXPERIENCE

Konyang University

Daejeon, South Korea

Vice President of AI Academic Club

August 2024 - Present

- **Co-First author conference paper** on Comparison of Input Feature Extraction Techniques for the VTON model ACGPN: Otsu Mask vs. Salient Region (Korean Artificial-Intelligence Convergence Technology Society, May 2025).
- **Co-First author conference paper** on Stable Diffusion and GAN-Based Hybrid Framework for Gray-scale Image Recovery (Korean Conference on Software Engineering, January 2025).
- **First-author conference paper** on Optimizing Healthcare premiums Prediction with Synthetic Data (Korean Artificial-Intelligence Convergence Technology Society, November 2024).

Team Leader of AI Competition

July 2024 - Present

- Led team to **Top 5% (32/570)** at **DACON Construction Safety AI Challenge**, developing a practical model generating incident response and recurrence-prevention strategies **for construction sites** (March 2025).
- Led team to **Top 8% (10/140)** at **DACON Image Colorization & Missing-Region Restoration Challenge** — built an AI model that **inpaints missing areas and colorizes grayscale images** with natural tones (December 2024).
- Led team to **Top 7% (16/219)** at **DACON SW-Centered Universities Digital Challenge — AI Track**; built an end-to-end **audio deepfake** (generative fake speech) **detection model** with robust evaluation (July 2024).

Student Researcher - Human Computer Interaction Projects

March 2022 - Present

- Development of UX service that detects hazardous sounds when using noise-canceling earphones (August, 2025).
- **Analyzing personal ECG time-series** collected with HiCardi; built preprocessing (resampling, filtering, windowing) and trained an LSTM to model normal rhythm patterns, validating sequence prediction with **MAE ↓22%** vs baseline and **Accuracy 90.4%** on held-out sequences (June, 2025).

President of Student Council Planning Department,

March 2022 - Present

- Established clear expectations and accountability, aligning teams for **on-schedule** project delivery.

SKILLS

- Programming Languages: Python, C++, JavaScript
- Databases: MySQL, MongoDB, Oracle, Redis

LANGUAGES

English (Toeic 855 / OPIc IM2)

Korean