

HANIE KANG

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EDUCATION

Sogang University,

B.S. in Computer Science and Engineering, *Expected Cum Laude*

Seoul, South Korea

Aug. 2025 (Expected)

RESEARCH EXPERIENCE

Undergraduate research intern, Auditory Intelligence Lab.

Seoul, South Korea

Supervisor: Professor Ji-Hwan Kim, Ph. D.

Jul. 2023 – Current

- Developed an automatic movie subtitle generation model in noisy environments as part of a project on automatic harmful media classification.
- Developed a speech recognizer tailored for elderly and pediatric populations as part of the Korean AI Competition, earning an award for the achievement.
- Developed an essay grading model using large language models (LLMs) for automated scoring in the speaking assessment of the Korean Language Proficiency Test.
- Contributed to the preparation of lecture materials for a course on speech synthesis by reviewing related research papers and engaging in discussions on the latest advancements.
- Published two papers at domestic conferences and one at an international conference.

PUBLICATIONS

Korean dialect identification using pre-trained Wav2Vec 2.0

Hanie Kang, Sohyun Jee, Junseok Oh, and Ji-Hwan Kim

Proceedings of the 19th Asia Pacific International Conference on Information Science and Technology (APIC-IST) 2024, pp.193-196, 2024.

Whisper fine-tuning for automatic movie subtitle generation [Best Paper Award]

Hanie Kang, Yoonseo Chung, Juhyeong Nam, and Ji-Hwan Kim

Proceedings of NextGen AI Horizon Forum 2024, pp.10-12, 2024.

Exploring the effectiveness of pseudo-labeling in automated scoring of Korean speaking assessments [Honorable Mention]

Wonwoo Jung, Hanie Kang, and Young Min Chung

Proceedings of the Korea Software Congress (KSC) 2024, pp.1511-1513, 2024.

AWARDS

Excellence Prize [Minister of Science and ICT Award], Korean AI competition Nov. 2023
Developed and improved a Korean speech recognition model specialized for elderly and children.
Awarded 10 million KRW (approximately 7,200 USD)

Best Paper Award, NextGen AI Horizon Forum 2024 Feb. 2024

Honorable Mention, Korea Software Congress (KSC) 2024 Feb. 2025

RELEVANT EXPERIENCE

Commissioned project

Metaverse-based virtual campus development, Sogang University Jan. 2023 – Feb. 2023
Upon the request of the center for teaching and learning at Sogang University
Developed and deployed a virtual campus with interactive spaces, for professors and students.

SOCIETY

CNU, Web development society Mar. 2022 – Feb. 2024
Active member (selected activities)
Developed a diary-based music recommendation web service with sentiment analysis.
Developed an English learning website featuring study tracking and vocabulary tools.

ICPC (International Collegiate Programming Contest) Team Mar. 2021 – Feb. 2022
Member
Studied advanced algorithms and solved problems beyond course material in a study group.

LANGUAGES

Korean (Native), English (Advanced)

TECHNICAL SKILLS

Language: **Python**, C/C++, Java, JavaScript, MySQL, CUDA

Frameworks: Pytorch, TensorFlow, Scikit-learn, OpenCV

Tools: Huggingface, Weights & Biases, Docker, Git

TEACHING EXPERIENCES

Teaching Assistant, Sogang University Seoul, South Korea
Introduction to AI Programming Mar. 2022 – Jun. 2022