

Jonghan Kim

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EDUCATION

Mar. 2019-	Sangmyung University	Seoul, Korea
Present	Intensive Major in Human Centered Artificial Intelligence	

RESEARCH INTERESTS

Natural Language Processing Computer Vision Multi-modal Fusion Generative AI

SKILLS

Programming Languages: Python, C, Java, bash, Linux

Tools: Pytorch, Tensorflow, Keras, scikit-learn

PUBLICATIONS

[1] **Jonghan Kim**, Suhwan Jo, Woosung Jung, Manseo Kim and Sung Park. (2024). Developing a User-Centric Stepwise Comment Moderation AI Service: Balancing Free Expression and Respectful Online Interaction. *Proceedings of the 22nd Triennial Congress of the International Ergonomics Association (IEA)*

[2] (Prepublished) Suhwan Jo, **Jonghan Kim**, Woosung Jung, Manseo Kim and Sung Park. (2024). Developing a Distance-Based illegal Parking Detection Service for Personal Mobility Devices.

PATENTS

[1] **Republic of Korea**. Patent 10-2023-0123130 (Applied). Methods and Devices for Stepwise Purification of Sentences with Generative AI. (September 15, 2023)

[2] **U.S.** Patent 18/522,709 (Applied). Methods and Devices for Stepwise Purification of Sentences with Generative AI. (November 29, 2023)

[3] **Republic of Korea**. Patent 10-2024-0012439 (Applied). Method and System for Detecting PM Location Using Real-Time Object Detection Technology. (January 26, 2024)

AWARDS AND HONORS

AWARDS

Nov. 2023	Excellence Award , Contest for Use Cases of Generative Intelligence Models in the SW-Oriented University Project
May. 2024	Excellence Award , Contest for Use Cases of Services and Content Utilizing AI and Cloud in the SW-Oriented University Project

HONORS

2019	Didimdol I, Academic B
2020	SW Scholarship (Excellence in Department), Academic B, Special
2023	University Innovation Support Scholarship, SW Scholarship, Academic A

PROJECTS

1. Automatic Reporting System for Illegal Parking of Electric Scooters Based on Distance, Sangmyung University (AI+X Advanced Project) (Sep. 2023 – Dec. 2023)
2. [Implementation of a Stepwise Comment Moderation Service Using the ChatGPT API](#), Sangmyung University (AI+X Intermediate Project) (Mar. 2023 - Jun. 2023)
3. [Seoul Bus/Subway EDA & Time Series Prediction of Seoul Population](#), Sangmyung University (AI+X Basic Project) (Sep. 2022 - Dec. 2022)
4. Assistive Reading Comprehension Service for Education Using Gaze Tracking, Sangmyung University (Capstone Design) (Jan. 2024 - Jun. 2024)
5. Building a Multi-Layer Perceptron from Scratch, Sangmyung University (Deep Learning) (Apr. 2023 - May 2023)
6. Implementing the Nearest Neighbor Algorithm, Sangmyung University (Introduction to AI) (Sep. 2022 - Oct. 2022)
7. Developing a Mentor-Mentee Matching Service App, University Makeus Challenge (Dec. 2022 - Feb. 2023)
8. Developing a Recipe Recommendation App Based on Currently Available Ingredients, University Makeus Challenge (Jun. 2023 - Aug. 2023)
9. Developing a Presentation Script Generation and Teleprompter Service, Council of SW-Centered Universities (Sep. 2023 - Oct. 2023)
10. Designing a Global Earthquake Evacuation Guidance Service Utilizing GCP, Council of SW-Centered Universities (Mar. 2024 - Apr. 2024)

Extracurricular Activity

IT Project University Union Club

Member

- Backend Study, Hackathons, Ideathons, App Development

University Makeus Challenge (UMC)

(Sep. 2022 - Sep. 2023)

Deep Learning Study Club, Dae-na-moo

Member

- Deep Learning Study and Paper Review.

Sangmyung University

(Mar. 2023 - Jun. 2023)

AWS Summit Seoul 2024 GameDay

Participant

Seoul COEX, Republic of Korea

(May 16, 2024)