

JIHOON JEONG

Kyonggi University
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EDUCATION

Mar. 2021 ~ Present	Kyonggi University Department of AI Computer Engineering <i>Bachelor Student</i> GPA: 4.49 / 4.5	Suwon, Korea
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RESEARCH INTERESTS

- Computer Vision
- Image and Semantic Segmentation
- Vision-Language Multimodal Learning (LLMs + Vision)
- On-Device and Efficient Deep Learning

PROGRAM

- Qualcomm Institute Artificial Intelligence Entrepreneurship Program UC San Diego Qualcomm Institute, United States Jul. 5 – Jul. 27, 2025
- CES 2025: Emerging Software Technology and Mentoring Program Las Vegas & San Francisco, United States Jan. 5 – Jan. 13, 2025
- Singapore Summer Secure Coding Program, Uppsala Security Singapore Aug. 13 – Aug. 22, 2024
- Naver Boostcourse AI Basic Coaching Study Program (Cohort 1) Korea Jan. 13 – Feb. 24, 2022

RESEARCH EXPERIENCE

- Undergraduate Research Assistant AutoML Laboratory, Kyonggi University
 - Conducted research on lightweight image segmentation models using the UAVID dataset.
 - Designed and evaluated model optimization strategies to reduce computational complexity.
 - Performed systematic experiments to analyze trade-offs between segmentation accuracy and model efficiency.

PROJECTS

- S.A.V.E: MobileNet-Based Automatic Crime Detection and Alert System for CCTV Surveillance Oct. 24–26, 2025

- Navi: AI-Based Data Analysis Project (NASA Space Apps Challenge) Oct. 4–5, 2025
- FocusAI: Vision-Based Real-Time Concentration Analysis System Mar. 2025 – Nov. 2025
- FocusDrive: GCP-Based Driver Attention Monitoring System Jul. 5 – Jul. 27, 2025
- Distribot: Multi-User LLM-Based Interview Simulation System Mar. 2025 – Jun. 2025

AWARDS

- 2025 SW중심대학 연합 SW FESTIVAL 대상, SW중심대학연합, Korea (Nov. 2025)
- 2025 NASA International Space Apps Challenge – GALACTIC PROBLEM SOLVER, NASA, Korea (Oct. 2025)
- 2025 캠퍼스 디자인 및 AI 해커톤 경진대회 장려상, Korea Association of Computer Education, Korea (Oct. 2025)
- 국가우수장학금(이공계), Ministry of Science and ICT (MSIT), Korea Scholarship Foundation, Korea (Oct. 2025) (Full tuition scholarship for junior and senior years)
- 2025년 한국정보기술학회 하계 종합학술대회 우수논문상(금상), Korea Institute of Information Technology, Korea (Jun. 2025)
- [교내] 2025 AI-Powered SW상상기업 경진대회 우수상, Kyonggi University, Software-Centered University Project, Korea (Oct. 2025)
- [교내] 2025 산학협력 캠퍼스디자인 경진대회 은상, Kyonggi University, Software-Centered University Project, Korea (Jul. 2025)

CERTIFICATIONS

- Google Cloud Platform Professional Machine Learning Engineer (Jul. 2025)
- CSTS (Certified Software Test Specialist, May 2025)
- TOPCIT (Test Of Practical Competency in IT, Score: 639, May 2025)
- ADsP (Advanced Data Analytics Semi-Professional, Korea Data Agency, Mar. 2025)
- SQLD (SQL Developer, Korea Data Agency, Dec. 2024)
- MOS Master (Microsoft Office Specialist Master, Jul. 2021)

PUBLICATIONS

- Jihoon Jeong, Sieun Kim, Yeeun Kim, Eunseo Park, Seunga Seo, Seoryeong Jang, Kyeon Ham, Junho Ahn, “지능형 독서실에서 얼굴 및 행동 분석 기반 학습 집중도 시스템”, 한국정보기술학회 하계 종합학술 대회 논문집, (2025)
- Bo-Gyeong Ko, Jeong-Yeon Park, Youn-A Lee, Seung-Jae Kim, Jihoon Jeong, Chae-Won Lee, Sieun Kim, Yeeun Kim, Seunga Seo, “객체 인식 기반 딥러닝을 활용한 노인 낙상 및 위험 상황 감지 시스템”, 한국인터넷정보학회 추계학술발표대회 논문집, (2024)