

# SEUNGEUN KANG

Undergraduate Student @ Kyonggi University

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## EDUCATION

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**B.S in Kyonggi Univeristy**

Division of AI Computer Science and Engineering

Thesis :

*Feb 2020 - Mar 2026*

**GPA: 4.38 / 4.5**

**(in major : 4.40 / 4.5)**

## RESEARCH INTERESTS

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My dream is to be an **“engineer who creates useful things for everyday life”**.

I believe that **“HCI with Mobile Computing, Wearable Sensing”** is the closest path to achieving this dream.

Specifically, I really enjoy the process of 1) *proposing novel solutions*, 2) *implementing services*, and 3) *organizing and writing papers about them* to solve real-world problems.

## RESEARCH EXPERIENCES

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**KAI Purdue Summer Program**

*Visiting Scholar at Purdue University, sponsored by IITP*

- Research topic : HCI, Mobile Computing, Sensor-Based

*Jun 2025 - Aug 2025*

West Lafayette, Indiana U.S.

**SNU Cognitive Computing Lab**

*Undergraduate Researcher at Seoul National University*

- Research topic : HCI, QA models, Multimodal Emotion Recognition

*Mar 2025 - May 2025*

Seoul, Republic of Korea

**ETRI Social Robotics Lab**

*Internship at Electronics and Telecommunications Research Institute*

- Research topic : HCI, Image De-Identification, Vision Language Models

*Jan 2025 - Feb 2025*

Daejeon, Republic of Korea

**LOTTE INNOVATE Tech AI. Team**

*Internship at LOTTE INNOVATE*

- Research topic : Text to Image Generation Pipeline, CLIP

*Jul 2024 - Aug 2024*

Seoul, Republic of Korea

**KGU Smart IoT Lab**

*Undergraduate Researcher at Kyonggi University*

- Research topic : Mobile Computing , Large Language Models

*Jul 2023 - Dec 2024*

Suwon, Republic of Korea

## PUBLICATIONS

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### International Conferences

1. **S Kang**, H Kang, S Ahn, T Ahn, L Hiday, A Smith\*, **“Wildlife Detection via 40kHz Ultrasonic Signals : Dataset Design and Deep Learning Evaluation”**, *IEEE International Conference on Robotic Computing and Communication*, Dec. 2025 (expected)
2. **S Kang**, D Lee, S Han, S Lim, N kim\*, **“Research on Building K-Contents Specialized Text2Image Pipeline”**, *The 27th International Conference on Advanced Communication Technology*, Feb. 2025, Oral

3. **S Kang**, K Jin, N kim\*, “**Research on Memory-efficient Approach to Sleep Quality Estimation for Edge Devices**”, *The 15th International Conference on ICT Convergence*, Oct. 2024, Poster
4. **S Kang**, N Kim\*, “**A Study on User Review text–Based Rating prediction system Using Large Language Model Finetuning**”, *19th Asia Pacific International Conference on Information Science and Technology*, Jun. 2024, Poster

#### Domestic Conferences

1. **S Kang**, C Yoo\* , “**Research on Building Child Facial Dataset for Child Face De-identification**”, *Korean Institute of Information Technology Summer Conference*, Jun. 2025
2. **S Kang**, S Park, G Gweon\* , “**Solving Financial QA in Large Language Models with Recursive Questioning**”, *Annual Symposium of Korea Information Processing Society*, May. 2025
3. **S Kang**, E Park, G Park, J Park, K Park, Y Moon, N Kim\* , “**BELIEVE : Vision-Based Edge Intelligence System for Safety Management on Industrial Environment**”, *Korean Institute of Information Technology Summer Conference*, May. 2024
4. **S Kang**, N Kim\* , “**Using activation function and ko-BERT Research of Click-bait Detection**” , *Korean Society For Internet Information Spring Conference*, Apr. 2024
5. **S Kang**, N Kim\* , “**Using Raspberry Pi and MNIST Dataset A study on handwriting images classification in an on-device environment**” , *Korean Society For Internet Information Spring Conference*, Apr. 2024

\* Corresponding Author

#### TEACHING EXPERIENCES

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<b>Teaching Assistant</b> , Kyonggi University	<i>Sep 2024 - Dec 2024</i>
- Teaching Assistant experience at KGU, National center of excellence in software	
<b>Basic Tutoring : Stepping Stone Tutoring</b> , Kyonggi University	<i>Mar 2024 - Jun 2024</i>
- Student-to-student tutoring experience as tutor	
- <i>Mentored Area : Java Programming, Data Structure</i>	
<b>SAP- Solve it together Mentoring</b> , JAKorea & SAP	<i>Aug 2023 - Sep 2023</i>
- Mentoring experience for middle & high school students	
- <i>Mentored Area : Micro:bit, Arduino</i>	
<b>2023 Gyonggichango Mentoring</b> , JAKorea	<i>Jul 2023 - Aug 2023</i>
- Mentoring experience for middle & high school students	
- <i>Mentored Area : Mobile Application Programming</i>	

#### SKILLS

##### Programming Skills

- Python, Java, C, C++, C#, L<sup>A</sup>T<sub>E</sub>X
- Pytorch, Tensorflow, Unity, Flutter, FastAPI
- Linux, Docker

##### Language Skills

- Korean : Native

- English : **TEPS 363** (High Intermediate Level)
- Japanese : Basic Level

## AWARDS & CERTIFICATIONS

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### Scholarships

- **Scholarship for Academic Excelience** *Kyonggi University, Sep 2025*
- **Scholarship for Academic Excelience** *Kyonggi University, Mar 2025*
- **Scholarship for Academic Excelience** *Kyonggi University, Sep 2024*
- **Scholarship for Academic Excelience** *Kyonggi University, Mar 2024*
- **Scholarship for Academic Excelience** *Kyonggi University, Sep 2023*
- **Scholarship for Academic Excelience** *Kyonggi University, Sep 2020*

### Awards

- **Third Prize** in *Advanced Capstone Design Competition, Kyonggi University, Jun 2025*
- **Excellence Award** in *Khuthon 2025 , National center of excellence in software, May 2025*
- **Second Prize** in *SW univ, 2024 Capstone Design and AI Hackerton , Korean Assocation of Computer Education, Oct 2024*
- **Second Prize** in *Basic Capstone Design Competition, Kyonggi University, Jun 2024*
- **Best Paper Award** in *Korean Institute of Information Technology Summer Conference, May 2024*

### Certifications

- **Test Of Practical Competency in IT level 4 : 722** (*certified from IITP, May. 2025*)
- **Certified Software Test Specialist Foundation Level** (*certified from TTA, Mar 2023*)