

# HONGBEEN PARK

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<https://qkrghdqls1.github.io>

## EDUCATION

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### Master of Computer Science and Engineering

Korea University

Sep. 2023 – Aug. 2025

Seoul, South Korea

### Bachelor of Computer Science and Engineering

Korea University

Mar. 2019 – Feb 2023

Seoul, South Korea

### High School Diploma

Seoul Science High School

Mar. 2016 – Feb 2019

Seoul, South Korea

## WORK EXPERIENCE

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### Data Operations Intern

Naver Cloud Corp.

January 2024 – April 2024

Gyeonggi-do, South Korea

- Created datasets for Table-VQA and non-image QA tasks.
- Explored preprocessing techniques and designed prompt formulations for dataset development.

### Vision & AI Lab Intern

Korea University

April 2023 – August 2023

Seoul, South Korea

- Conducted research on 3D object detection for autonomous driving using temporal modeling.
- Aligned BEV (Bird's Eye View) perspectives and trajectory prediction models with map integration.

### Visual Intelligence Group Intern

Korea Institute of Science and Technology (KIST)

September 2022 – December 2022

Seoul, South Korea

- Developed multi-view human detection and re-identification algorithms.
- Designed and implemented a camera calibration pipeline for enhanced identification accuracy.

### Mentee

SW Maestro Program

April 2021 – December 2021

Seoul, South Korea

- Built smoking detection AI using TensorRT on Jetson Nano.
- Led the development of a hate speech filtering model deployed on YouTube.

### Programming Challenge Management

Korea University Programming Challenge (KCPC)

November 2019, November 2020

Seoul, South Korea

- Organized and prepared programming challenges for the 2019 KCPC contest.
- Managed server operations and participant coordination.

### Algorithm Solving Club Instructor

Korea University

September 2019 – December 2020

Seoul, South Korea

- Taught an advanced algorithm course and created detailed solutions to problem sets.

## PUBLICATIONS

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### Peer-Reviewed Papers

- Minjeong Park, **Hongbeen Park**, Jinkyu Kim, "ViTA-PAR: Visual and Textual Attribute Alignment with Attribute Prompting for Pedestrian Attribute Recognition", International Conference on Image Processing (ICIP) 2025
- E. Kim, D. Shanker, V. Bharadhwaj, **Hongbeen Park**, Jinkyu Kim, H. Torfah, D. Fremont, S. Seshia, "Querying Labelled Time Series Data with Scenario Programs", NASA Formal Methods 2025

- **Hongbeen Park**, Minjeong Park, Giljoo Nam, Jinkyu Kim, "LRSLAM: Low-rank Representation of Signed Distance Fields in Dense Visual SLAM System", European Conference on Computer Vision (ECCV) 2024
- Seokha Moon, Hyun Woo, **Hongbeen Park**, Haeji Jung, Reza Mahjourian, Hyung-gun Chi, Hyerin Lim, Sangpil Kim, Jinkyu Kim, "VisionTrap: Vision-Augmented Trajectory Prediction Guided by Textual Descriptions", European Conference on Computer Vision (ECCV) 2024
- NAVER Cloud Team, "HyperCLOVA X Technical Report", Arxiv 2024
- Seokha Moon, **Hongbeen Park**, Jaekoo Lee, Jinkyu Kim, "Learning Temporal Cues by Predicting Objects Move for Multi-Camera 3D Object Detection", International Conference on Robotics and Automation (ICRA) 2024

## WORKSHOPS

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- **Hongbeen Park**, Minjeong Park, Sunpil Kim, Jinkyu Kim, Jung Hyun Lee, "Fast and Precise Multimodal Spatiotemporal Calibration via Periodic-Activated 2D Gaussian Splatting", International Conference on Computer Vision Workshop (ICCVW) 2025 on Wild3D

## LEADERSHIP EXPERIENCE AND ACTIVITIES

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<b>Development and AI Club (KOSMOS) President</b> Korea University College of Information	March 2020 - August 2022
<b>Student Council President</b> Korea University College of Information	May 2019 - June 2020
<b>Algorithm Summer Contest Management</b> Korea University Algorithm Problem Solving Club	March 2019 - December 2019

## HONORS AND AWARDS

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(2nd place) 2021 Korea University Programming Challenge (KCPC)	November 2021
(3rd place) 2021 SW Maestro Hackathon	May 2021
(2nd place) 2020 Intercollegiate Competition Algorithm Camp Contest	August 2020
(full-tuition) WORK-STUDY SCHOLARSHIPS	March 2019 - June 2020
(2nd place) Korea Olympiad in Informatics (KOI)	June 2017
(3rd place) Korea Olympiad in Informatics (KOI)	June 2016

## TEACHING EXPERIENCE

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<b>Teaching Assistant, Algorithm</b> Korea University	September 2024 - December 2024 Seoul, Korea
<b>Teaching Assistant, Data Science</b> Korea University	March 2024 - June 2024 Seoul, Korea

## SKILLS

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**Languages:** English (Intermediate), Korean (Native)  
**Programming:** Python(Torch, Tensorflow), C/C++(STL, CUDA), Java, Shell script  
**Document Creation:** LaTeX, Markdown