

# Heejun Park

Master's Student  
KAIST  
parkhee.ticket@kaist.ac.kr  
+82) 010-7610-5515  
<https://medium.com/@parkie0517>

## EDUCATION

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Sep. 2024 ~ Present	<b>Korea Advanced Institute of Science and Technology</b> Division of Future Vehicle <i>Advisor: Kuk-Jin Yoon</i> <i>Master Student</i> GPA: 3.8 / 4.3	Daejeon, Korea
Mar. 2018 ~ Aug. 2024	<b>Yonsei University</b> Department of Computer and Telecommunication Engineering <i>B.S. in Computer Engineering</i> GPA: 4.24 / 4.3 <i>Summa Cum Laude</i>	Wonju, Korea

## RESEARCH INTERESTS

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- Multi-Sensor Fusion
- 3D Reconstruction
- Parameter-Efficient Fine-Tuning

## IT SKILLS

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- OS: Linux
- Language: C, C++, Python, MATLAB
- Library: Numpy, OpenCV, PyTorch

## RESEARCH PAPERS

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- Investigating the Vulnerability of 3D Point Cloud Classifiers to Backdoor Attacks Leveraging Transfer Learning  
**Heejun Park**, Taewon Jung, Hanju Lee, Seokhwan Choi (Journal of Korean Institute of Intelligent Systems, Mar. 2024)
- Investigating the Effects of Bag of Tricks for Object Classification Models: ResNet and ViT  
**Heejun Park** (Jan. 2024)
- Predicting the Sweetness of Multiple Apples by Applying Apple Images on Hybrid Machine Learning: Machine Learning and Deep Learning

## RESEARCH EXPERIENCES

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- Research Intern at Artificial Intelligence and Media Lab, Sungkyunkwan University, Korea (Jan. 2024 ~ Jul. 2024) / Research on 3D Computer Vision, Multi-Sensor Fusion and Prompt Learning
- Undergraduate Researcher at Artificial Intelligence & Security Lab, Yonsei University, Korea (Jan. 2023 ~ Jan. 2024) / Research on 3D Object Recognition and Backdoor Attack
- Research Intern at Signal Processing & Artificial-intelligence Lab, Hanyang University, Korea (Jun. 2023 ~ Aug. 2023) / Research on Computer Vision and LiDAR Perception
- Research Intern at Purdue University, United States (Aug. 2022 ~ Dec. 2022) / Development of Non-destructive Sugar Meter Using Hybrid Machine Learning
- Research Student at Lighten Technology, Korea (Mar. 2022 ~ Jun. 2022) / Research on UWB and BLE

## PROJECTS

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- Development of RGB-D to Point Cloud Dataset Converter, Sungkyunkwan University AIM Lab, Korea / [https://github.com/parkie0517/NYUDepthV2\\_PointCloud\\_Converter](https://github.com/parkie0517/NYUDepthV2_PointCloud_Converter) (May. 2024 ~ Jul. 2024)
- Development of Semantic KITTI Multi-Frame Dataset Generator, Sungkyunkwan University AIM Lab, Korea / <https://github.com/parkie0517/SemanticKITTI-MultiFrameGeneration> (May. 2024 ~ Jun. 2024)
- Development of RC Autonomous Taxi, Yonsei University, Korea / <https://github.com/parkie0517/RC-Autonomous-Taxi> (Jan. 2023 ~ Jun. 2023)
- Development of Non-Destructive Sugar Meter Using Hybrid Machine Learning, Purdue University, United States / [https://github.com/parkie0517/KSW\\_2022\\_Fall\\_Program/tree/main/TopGun](https://github.com/parkie0517/KSW_2022_Fall_Program/tree/main/TopGun) (Aug. 2022 ~ Dec. 2022)
- Development of Team Building Application Using BERT, Google Developer Student Clubs, Korea (Jan. 2022 ~ Feb. 2022)
- Development of Refrigerator Management Application, ASC, Yonsei University, Korea (Sep. 2021 ~ Oct. 2021)
- Development of Disease Occurrence Probability Prediction Application, Yonsei University, Korea (Oct. 2021 ~ Nov. 2021)

## LANGUAGE SKILLS

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Native Korean speaker, Fluent in English

- TOEIC 975 (Oct. 2020)
- TOEFL iBT 102 (Oct. 2016)

## CERTIFICATES

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- H-Mobility Class, Hyundai Motors, Korea (Mar. 2024 ~ June. 2024) Studying Autonomous Driving (Perception, Planning, Control, Network)
- LG Aimers, LG Corp, Korea (Jan. 2023 ~ Feb. 2023) / Completion of AI Essential Course, Participated in AI Hackathon

- IITP Korean Software Square Fall 2022 Program, Purdue University, United States (Aug. 2022 ~ Dec. 2022)

## AWARDS

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- 최우등졸업생, 성적 우수, 연세대학교 (Aug. 2024)
- 우수논문상, 한국지능시스템학회 2023년 추계학술대회, 한국지능시스템학회 (Nov. 2023)
- 우수상, SW인재페스티벌 우수작품, 과학기술정보통신부 (Nov. 2023)
- 2023-1 최우등생, 성적 우수, 연세대학교 (Nov. 2023)
- 2022-1 최우등생, 성적 우수, 연세대학교 (Nov. 2022)
- 장려상, GDSC 겨울 해커톤, Google Developer Student Club (Feb. 2022)
- 2021-1 우등생, 성적 우수, 연세대학교 (Nov. 2021)
- 우수상, ASC 프로젝트 공모전, 연세대학교 (Dec. 2021)
- 우수상, 오픈소스 SW해커톤
- 2018-2 우등생, 성적 우수, 연세대학교 (May. 2019)
- 최우등상, 학생참여형 프로그램 열린 아이디어 공모전, 연세대학교 (Dec. 2018)
- 2018-1 우등생, 성적 우수, 연세대학교 (Nov. 2018)
- KAIST 총장상, 발명 왕중완전, 세계청소년올림피아드 (Aug. 2016)
- 국회의원상, 제 4회 G.S.B.C 모의창업캠프, G.S.B.C (Aug. 2016)

## SCHOLARSHIPS

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- 국가우수장학금(이공계), 한국장학재단 (Mar. 2023 ~ August. 2024)
- 희망장학금, 용복장학회 (Mar. 2023)
- 진리장학금, 연세대학교 (Feb. 2023)
- 청파우수장학금, 청파장학회 (Feb. 2022)
- 운해장학금, 운해장학재단 (Feb. 2022)
- 진리장학금, 연세대학교 (Feb. 2023)
- SW중심대학장학금, SW중심사업단 (Nov. 2021)
- 청파장학금, 청파장학회 (Aug. 2021)
- 청파장학금, 청파장학회 (Feb. 2021)
- 청파우수장학금, 청파장학회 (Aug. 2018)
- 진리장학금, 연세대학교 (Aug. 2018)

## TEACHING EXPERIENCES

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- Basic Algorithms Tutor, Yonsei University, Korea (Sep. 2023 ~ Dec. 2023)
- Computing Thinking Class TA, Yonsei University, Korea (Mar. 2023 ~ June. 2023) / Class on the Importance of Computing Thinking, Class on Python Programming Language
- Tennis Class TA, Yonsei University, Korea (Mar. 2022 ~ Jun. 2022) / Class on Tennis
- Data Structure Tutor, Yonsei University, Korea (Mar. 2022 ~ Jun. 2022)
- Computer Programming Tutor, Yonsei University, Korea (Mar. 2021 ~ Jun. 2021)