

Heejun Park

Master's Student
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EDUCATION

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

RESEARCH INTERESTS

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

IT SKILLS

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

RESEARCH PAPERS

- 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
Seokhyeon Heo, **Heejun Park**, Hanbi Kim, Jeongho Ha, Taeyun Kim, Eric Matson (Dec. 2022)

RESEARCH EXPERIENCES

- 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

- Development of RGB-D to Point Cloud Dataset Converter, Sungkyunkwan University AIM Lab, Korea / 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 (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

Native Korean speaker, Fluent in English

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

CERTIFICATES

- 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

- 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 프로그 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

- 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

- 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)