

Jaemin Lee

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EDUCATION

- **Hanbat National University (Advisor: Prof. Dong-Geol Choi)** Daejeon, Korea
MS in Department of Information and Communication Engineering
Mar. 2020 – Feb 2022
Courses: Computer Vision, Deep Learning, Semantic Segmentation, Continual Learning
- **Hanbat National University** Daejeon, Korea
BS in Department of Information and Communication Engineering
Mar. 2015 – Feb 2019

SKILLS SUMMARY

- **Languages:** C, C++, Java, PHP, Python, Javascript, Typescript, Bash, HTML, CSS
- **Frameworks:** Express, React, Vue, jQuery, Nuxt, Angular, Spring, AWT, Pytorch, TensorFlow
- **Tools:** Git, Docker, Redis, PM2, Wireshark, Android Studio, Google Analytics
- **Database:** MySQL, MongoDB, MariaDB, RDB
- **Platforms:** Linux, Web, Windows, AWS

EXPERIENCE

- **Techand Inc.** Daejeon
Web Developer
Jun 2018 - Feb 2019
 - **Mission:** Real-time home IoT control interface using MQTT
 - **Stack:** REST API, MQTT, Typescript, PostgreSQL
- **DAREUNKOREA Inc.** Daejeon
Main Developer
Jan 2016 - Feb 2018
 - **Mission:** Web based Realtime Communication Service
 - **Stack:** Node Js, MariaDB, Redis, websocket, Nginx, AWS

PROJECTS

- **Study on the road surface recognition based on deep learning using multiple sensors.** ADD
Researcher
Dec 2018 - Sep 2021
 - **Aim:** Development of Road Surface Recognition Techniques Using Multiple Sensors
 - **Research:** Semantic Segmentation, Video Propagation, Semi-supervised Learning
- **Development of Learning-Based Driving Area Recognition Methodology.** Hyundai Rotem
Researcher
Jul 2020 - Dec 2021
 - **Aim:** Development of Road Surface Recognition Techniques Using Multiple Sensors
 - **Research:** Semantic Segmentation, TensorRT, Semi-supervised Learning
- **Research on Abnormal Behavior Recognition and Tracking in CCTV Environment.** NIA
Researcher
May 2021 - Dec 2021
 - **Aim:** A Study on the Recognition and Tracking of Abnormal Behavior in CCTV Images
 - **Research:** Object Detection, Tracking, Anomaly Detection
- **Detailed Identification Technique for Offshore Vessels and Structures.** ETRI
Researcher
Jun 2019 - Nov 2019
 - **Aim:** Development of recognition techniques for offshore vessels and structures and detailed compositional parts
 - **Research:** Part Segmentation
- **Research service on the preparation method of reproduction data.** KOSTAT
Researcher
Jun 2021 - Nov 2021
 - **Aim:** Research service on the preparation method of reproduction data of data provided by the National Statistical Office
 - **Research:** Data generation, GAN
- **Web-based IDE, Several people can develop it simultaneously.** J911/codeveloper
Main Developer
Apr 2018 - May 2018
 - **Backend:** Node Js, Express, Js, Mysql, Socket.io, Docker
 - **Front-end:** Vue Js, Webpack3, CodeMirror, FontAswome, Axios, Vuex

PUBLICATIONS

- **Conference: A Lightweight Sampler for Efficient Action Recognition via Self-supervised Learning:** 2022, AAAI (under review)
- **Journal: Sequential Feature Filtering Classifier:** 2021, IEEE ACCESS
- **Journal: Road semantic segmentation systems in outdoor environments for robot driving Classifier:** 2021, The Journal of Korean Institute of Next Generation Computing
- **Arxiv: Exploiting Features with Split-and-Share Module:** 2020, Arxiv 2108.04500
- **Conference: Development of OCR-based Applications to Improve Inventory Management:** TEST(SCOPUS) 2019

HONORS AND AWARDS

- VisDA 2021 Challenge - NeurIPS 2021 Workshop Challenge (on going(1st))
- University Student Autonomous Driving Contest - KASE 2019 (9th)
- Capstone Design Project, HBNU 2019, (overall 1st prize)