

Sihwa Park

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<https://sihwa-park.github.io/>

RESEARCH GOAL

- My research goal is to build more interpretable and mathematically explainable machine learning models. I've been working on images and video data for object detection and 3D generation. I am also widely interested in reinforcement learning.

EDUCATION

Korea University Seoul, Korea
Master of Computer Science 2021 Sep - Present

- Advised by Prof. [SeungJun Baek](#)
- Working on 3D Teeth Generation project using CT and X-ray data

Korea University Seoul, Korea
Bachelor of Computer Science and Mathematics 2015 March - 2021 Aug

- Was on an exchange program at the University of Toronto for the 2019 Fall - 2020 Spring semesters.

RESEARCH EXPERIENCE

Data Mining & Information Systems Lab (Lab of Prof. Jaewoo Kang) Seoul, Korea
Undergraduate Researcher 2018 March – 2019 March

- Preprocessing bio-medical data for machine learning programming
- Wrote codes to run and compared machine learning methods with Python (Jupyter Notebook)

WORK EXPERIENCE

Withcat Software Seoul, Korea
Programmer 2020 Apr – 2021 Aug

- Built API for face detection and recognition models for Republic of Korea Defence Intelligence Command (KDIC) (Pytorch, Flask)
- Built a model that combined object tracking and action detection models using Pytorch.
- Built an e-learning website using JAVA Spring framework and PHP.

SKILLS

- Web programming (Python, PHP, JAVA)
- Machine Learning Programming (Python - Pytorch)
- Fluent in Korean and English