Yongho Son

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EDUCATION

JUN 2015 - The State University of New York (Stony Brook), Korea DEC 2021 Bachelor of Science in Engineering in Computer Science

RESEARCH EXPERIENCE

JAN 2021 - Undergraduate Student Researcher

FEB 2021 Centre for Biotech Data Science Research Center, South Korea Supervised by Professor Byungkon Kang

 Designed the architecture of neural network that is permutation invariant with respect to the input images through meta-image computation

WORK EXPERIENCE

JUN 2020 - **Software Developer at Smart Radar System Inc.**

AUG 2020 Pangyo Innovalley, Gyeonggi-do, South Korea

- Developed human posture (standing, sitting, lying, and falling) detection using 4D imaging radar, which generates point clouds of objects.
- Delivered real-time prediction with test accuracy of 97% using feature-based learning by training the model.

MAY 2018 - Computer Technician at Republic of Korea Army

JAN 2020 17th Infantry Division, Incheon, South Korea

 Responsible for the performance of regular backups and design, installation, and maintenance of all types of servers and networks.

TRAINING & CERTIFICATION

MAR 2021	Intensive Research Training Program in AI, Incheon, South Korea • Certification of completion in "Multi-Image Captioning"
OCT 2019	 Military Software Collective Training, Seoul, South Korea Certification of course completion in Application Development
JUL 2020	SQL Developer License (SQLD), Korea Data Agency
SEP 2017	Linux Master License, Korea Association for ICT Promotion

SKILLS

Programming Languages and Environments

Python, Jupyter/Python, UNIX/BASH, Java, C, C++, SQL (MySQL, PostgreSQL), PHP, HTML/CSS, Jekyll.

Computer Science and Software Engineering

OOP, operating systems (system calls and threading), machine learning (scikit-learn), deep learning (Tensorflow/Keras and Pytorch), version control (Git), mobile application development (Android), web development (Flask), Raspberry Pi, Jetson Nano.