Yongho Son

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EDUCATION

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

RESEARCH EXPERIENCE

JAN 2021 -
FEB 2021
Undergraduate Student Researcher
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 -
AUG 2020
Software Developer at Smart Radar System Inc.
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 -
JAN 2020
Computer Technician at Republic of Korea Army
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.