

SONG, Yeon Ji

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<https://yeonjisong.github.io/>

EDUCATION

The Hong Kong University of Science and Technology

Bachelor of Engineering in Electronic Engineering

Dulwich College Suzhou

International Baccalaureate (IB)

The International General Certificate of Secondary Education (IGCSE)

Hong Kong

Sep 2017 – May 2021

Suzhou, China

2006 - 2017

WORK EXPERIENCE

Seoul National University Biointelligence Lab

Undergraduate Research Intern

- AI Researcher in Vision and Robotics.

Seoul, South Korea

Nov 2020 – May 2021

Surromind (Seoul National University)

Artificial Intelligence Research Engineer

- Created a Deep Learning model for Human Pose Estimation based on Detectron2 with R50-FPN and R101-FPN backbone.
- Benchmarked on top AI Platform (AWS, GCP, Azure) to create our own AI Platform.
- Designed and Implemented data preprocessing module for our own AI Platform.

Seoul, South Korea

Jul 2020 – Oct 2020

Codecrain Inc.

Full-stack Web Developer

- Developed frontend web application along with a senior developer using React.js.
- Implemented React.js and Node.js to enhance functionality and user experience.
- Assisted in maintaining database using Node.js, MySQL, and postman.

Seoul, South Korea

Jun 2019 – Sep 2019

PROJECTS

HKUST Final Year Project

- “Map based Robot Navigation and Path planning with Deep Reinforcement Learning”
- Autonomous navigation and vision servoing model based on ROS V-Rep (Robot simulator)

May 2020 - May 2021

BundlePort

Chief Technology Officer

- Convenient and affordable shipping service provider to order products from Korea.
- Developed Full-stack web application using Node.js and MySQL.
- Developed on Cloud server using AWS EC2, S3, Elastic Beanstalk, and CloudFront.
- Checkout our website at www.bundleport.com.

Hong Kong

May 2018 - May 2020

Robotics Team (Hong Kong University of Science and Technology)

Software Engineer

- Participated in 2018 Robotics internal competition as a software sub-team member.
- Built an algorithm that allows a smart car and throwing robot to move and act accordingly.
- Used C programming-based language, and developed software program that uses camera sensor, magnetic sensor, and ultrasonic.

Hong Kong

Sep 2018 – Dec 2018

SKILLS & INTERESTS

Certificates	The Hong Kong University of Science and Technology Scholarship 2017
Languages	Korean (native), English (fluent), Mandarin (fluent), Cantonese (Beginner)
Technical Skills	Python ROS SLAM C++ JavaScript SQL HTML5 & CSS3