

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 and Computer Engineering

Hong Kong

Sep 2017 – May 2021

Dulwich College Suzhou

International Baccalaureate (IB)

The International General Certificate of Secondary Education (IGCSE)

Suzhou, China

2012 - 2017

WORK EXPERIENCE

Surromind

Artificial Intelligence Research Engineer

Seoul, South Korea

July 2020 – Aug 2020

- Created a Deep Learning model for Human Pose Estimation based on Detectron 2 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.

Robocore AI

Robotics Software Engineer

Hong Kong

June 2020

- Created new solutions for temi robots, combining IOT products and the mobility of temi.
- Implemented NLP, SLAM Mapping, Lidar, Machine Learning, Human/Facial Recognition solutions in real customer settings.
- Performed GUI design, system design and solved real-life customer request with AI solution

Codecrain Inc.

Frontend Web Developer

Seoul, South Korea

June 2019 – Sep 2019

- Developed frontend web application along with a senior developer using React.js.
- Created CMS with user-facing features using React.js and Node.js.
- Improved coding of CSS and JavaScript to enhance functionality and user experience.
- Assisted in maintaining database using Node.js, MySQL, and postman.

EXTRA-CURRICULAR ACTIVITIES

BundlePort

Chief Technology Officer

Hong Kong

May 2018 - May 2020

- 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.
- Created services based on HTML5/CSS, and JavaScript enhancing UI/UX.
- Checkout our website at www.bundleport.com.

The Hong Kong University of Science and Technology “Robotics: Software”

Hong Kong

Sep 2018 – Dec 2018

- 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.

SKILLS & INTERESTS

Certificates

Chinese Proficiency Test (HSK) Level 6 183

TOEFL 103

The Hong Kong University of Science and Technology Entrance Scholarship 2017

Languages

Korean (native), English (fluent), Mandarin (fluent), Cantonese (Beginner)

Technical Skills

Python | Lidar | SLAM | IDL | C/C++ | Excel | JavaScript | SQL | HTML5 | CSS3