# Hyewon Jeong

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## Education

**Kyung Hee University** — Yongin, Republic of Korea
Bachelor of Software Convergence (Future Vehicle and Robot Track) — 2017–Current

## Experience

**Daegu Gyeongbuk Institute of Science and Technology** — Daegu, Republic of Korea
Research Intern, Real-Time Computing Laboratory (RTCL) — Jun. 2019 - Aug. 2019
- Analyzed real-time scheduling data when inferencing deep neural network on Raspberry Pi
- Supervisor: Prof. Hoon Sung Chwa

## Publications

1. Jung H, **Jeong H**, Jung J, Jang S, Jeong S, Jung H., "Sympathy: Development and Evaluation of a Mobile Application and a Doll to Support Cognitive Behavioral Therapy for Depression." *In proceedings of the Korean Society of Medical Informatics 2019, Seoul, Korea, July 2019*

## Scholarships and Awards

- Software Festival Awards — 2019
- Software Capstone Design Competition — 2019
- National Scholarship for Excellence in Software (1,600,000 KRW) — 2019–2020

## Teaching

- **Teaching Assistant** at Kyung Hee University
  *CSE204 Data Structure (Fall 2019)*
  *SWCON104 Web and Python Programming (Spring 2020, Fall 2020)*
- **Instructor** at Code Club Korea
  *Python Programming with Raspberry Pi, Basic Scratch Programming (Sep. 2017 - Nov. 2017)*

## Projects

- **Agile mode switching through vehicle self-determination** (2019)
  Rapid transfer of control rights in 3-step autonomous vehicle and detection of lane, traffic sign and obstacle
- **Fast road and lane segmentation in 3D point clouds** (2020)
  Improved algorithms that cut large dataset into smaller scales and quickly split them into driveways and lanes

## Technical Skills

- **Programming Language:** Python, C++
- **Software and Tools:** Tensorflow, Google Docs, MS Office
- **Operating System:** LINUX, MS Windows, ROS