Yun Jong Ha

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EDUCATION

▶ **B.S. in Computer Science (double major: Economics)**

University of Seoul : Seoul, Republic of Korea. (Mar. 2014 ~ Feb.2018) GPA 4.06 / 4.5

- Completed ABEEK(Accreditation Board for Engineering Education of Korea) program
- Undergraduate researcher in the Network lab.

▶ **M.S. in Computer Science and Engineering**

Seoul National University : Seoul, Republic of Korea. (Mar. 2018 ~ Feb.2020) GPA 3.71 / 4.3

- Distributed Computing System Lab.
- computing resource utilization on the large scale system

RESEARCH TOPIC

▶ **Simple linear sensor network with new MAC protocol (2016.6 – 2018.2)**

As an under-graduate researcher, I simulate a linear sensor network to handle confliction in wireless environment.

- Use a network simulation framework – ns3 which use C++ and python
- Study the details of wireless sensor network

▶ **Develop Dental Image Evaluation S/W and Research for Medical Image Processing (2018.4 – 2019.10)**

I develop a .Net application which assess the quality of dental radiographic image and an algorithm which extract a key feature of device.

- Develop a full application with C#.
  https://github.com/hayunjong83/phantom(release page)
  * source code is in the private repository.
- Understand preprocessing of medical image using OpenCV library
- Adopt an object detection method of deep learning

▶ **GPGPU compute resource utilization improvement (2019.2 – 2020.2)**

Software methods to solve resource under-utilization of GPU when implementing HPC workloads

- Understand Kernel transformation and SM-scheduling methods
- evaluate performance of HPC workloads such as Rodinia, Parboil

SKILLS & INTERESTS

▶ Language : English (professional proficiency) , Korea(Native)

▶ Programming language : C, C++, C# winform, CUDA, python, Node.js

▶ familiar with Linux OS, Git,

▶ Interests : Image Processing(OpenCV), Computer Vision through DNN, HPC computing