Do Hoon Kim, Danny

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EDUCATION

The Hong Kong University of Science and Technology **HKSAR**
Bachelor of Electronic Engineering and Computer Science Expected May 2020

- **GPA:** 3.85/ 4.3
- **Honors:** HKSAR Government Scholarship, Dean's List
- **Relevant Coursework:** Deep learning with NLP, Introduction to Embedded Systems.

University of Waterloo **Canada**
Semester Abroad in Spring Jan 2019 – Apr 2019.

- Relevant course works include: Statistical Foundations of Machine Learning, Concurrent Programming.

RESEARCH

Final Year Thesis **HKSAR**
Sub-Realtime Voice conversion with Non Parallel Corpus *Aug 2019 – Present*

- Voice conversion using VQ-VAE with GE2E loss for speaker embedding, currently in progress

Undergraduate Research Opportunities Program(UROP) **HKSAR**
Deep Coding: Generating source code using deep learning techniques Sept 2017 – Dec 2017

- Researched and implemented of current papers of machine learning in natural language processing
- Analyzed and did a partial implementation on Unsupervised NMT by Mikel Artetxe et al.

A Mobile Health System for Fat People Using Wireless MEMS Motion Sensors Jun 2015 – Aug 2015

- Analyzed AD5933 if its adaptable for bioimpedance measurement of cells

ACTIVITIES & LEADERSHIP EXPERIENCE

Techtronic Industries **HKSAR**
Engineering Intern Jun 2018 – Aug 2018

- Participated in the development of a wireless automatic lawnmower.
- Responsible for programming the path finding and data processing of the robot.

HKUST Robotics Team Robocon **HKSAR**
Robot Controller and Hardware member Nov 2014 – Aug 2015

- Controlled, Debugged, soldered and wired with a team of 30 a badminton playing robot, Fiery Dragon.
- 1st Runner-up in the ABU Robocon 2015 in Indonesia, highest the HKUST team has ever been.
- Researched sensors to achieve semi-auto or automatic badminton shuttlecock detection.

SKILLS & INTERESTS

Languages: Korean (Native), English (Fluent), Mandarin (Professional),Japanese (Conversational)
Technical Skills: C++, Python, Java, TensorFlow, Unity, Altium Designer, keil uVision
Github: https://github.com/ddddkim0525