Sangchun **Ha**

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"Done is better than perfect."

Education

Kwangwoon University   *Mar. 2016 - Feb. 2022(Expected)*

BACHELOR OF ELECTRONIC & COMMUNICATION ENGINEERING   *Seoul, South Korea*

- **Major GPA** : 4.27 / 4.5   **Total GPA**: 4.11 / 4.5
- **Courses**: Capstone Design, Operating systems, Software Design, Computer Architecture, Data Structure & Algorithm, Object-Oriented Programming, Computer Network, Data Science, C Programming, Data Communication, Digital Signal Processing, Signal and System, Digital Engineering, Digital Communication, Communication Theory, Network Analysis, Linear Algebra, Engineering Mathematics l-ll, Physical Electronics, Circuit Theory, Semiconductor Devices, Electronic Circuit 1, Basic Electronic circuit Lab l-ll, Electronic Circuit LAB l-ll

Project Experience

Household Poverty Level Data Analysis   *Sep. 2020 - Dec. 2020*

AUTHOR   *Kwangwoon University*

- Term project for course Data Science of 2020-Fall semester [link]
- Implemented a data science model that can predict the household poverty level using the household dataset
- Experienced the whole process of machine learning through problem definition, preprocessing, analyzing, transforming and modeling

Flower Classification   *Aug. 2020*

TEAM LEADER   *Kwangwoon University*

- Designed and performed deep learning model using Keras [link]
- Used daisy, dandelion, rose, sunflower images opened in Kaggle

Cloud File Transfer Service   *Jul. 2020*

AUTHOR   *Kwangwoon University*

- Using Unix Network programming with C language [link]
- Implemented to upload and download files to personal cloud through login

Cafe Beverage Order Service   *Jan. 2020 - Feb. 2020*

AUTHOR   *Kwangwoon University*

- Developed using Java, database and socket communication [link]
- Implemented cafe order through socket communication between server and client
- Server notifies recipes through database connection

Extracurricular Activity

Google Machine Learning Bootcamp   *Oct. 2020 - Feb. 2021*

PARTICIPANT   *Google Korea*

- Completed Deep Learning Specialization lecture which is taught by Prof. Andrew Ng [link]
- Acquired TensorFlow certification, one of machine learning related certifications

Data Construction for Speech Recognition and Speech Synthesis   *Dec. 2020*

CONTRIBUTOR   *Kakao Brain*

- Collected famous YouTube lectures through web crawling with python
- Cut the voice to 5 seconds with Audacity and preprocessing it

Network Programming Study Group   *Jun. 2020 - Aug. 2020*

GROUP MEMBER   *Kwangwoon University*

- Participated in a study group hosted by the Computer Communication Laboratory of Kwangwoon University
- Study Network Programming, Data Communication and Computer Network

Kwangwoon University Academic Club *Mar. 2016 - PRESENT*

CORE MEMBER *Kwangwoon University*

- Planned a mentoring program as club president (2019)
- Participated in a lot of software programming studies

Skills

Programming   Python, Java, C/C++, SQL, Arduino, Assembly, HTML
Deep Learning   PyTorch, TensorFlow, Keras
Data Analysis   Numpy, Pandas, Matplotlib, Scikit-learn, Seaborn

Research Interests

Speech   Speech Recognition, Speech Synthesis, Voice Activity Detection
NLP   Language Model, Contextual extraction, Machine translation
Software   Software Architecture, Computer Architecture, Operating System, Data Structure, Algorithm

Awards & Honors

AWARDS

2020.08	**Encouragement Award**, 5G-based ICT Convergence Idea Contest	*KICS, SKT*
2019.04	**Finalist**, Kwangwoon University software start-up idea contest	*Kwangwoon Univ.*

HONORS

2020.03	**Academic Excellent Scholarship**, awarded to students with high achievements	*Kwangwoon Univ.*
2019.09	**Academic Excellent Scholarship**, awarded to students with high achievements	*Kwangwoon Univ.*
2019.04	**Academic Excellent Scholarship**, awarded to students with potential for development	*Seoul Foundation*
2019.03	**Academic Excellent Scholarship**, awarded to students with high achievements	*Kwangwoon Univ.*
2016.09	**Academic Excellent Scholarship**, awarded to students with high achievements	*Kwangwoon Univ.*

Language Proficiency

Intermediate in English, Native in Korean

- 2020.08 - OPIC IM