



Cheolhwang Won

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"As long as the direction is correct, it's all right to be a little slow"

Education

Kwangwoon University

MAJOR IN ELECTRONIC COMMUNICATION AND ENGINEERING DEPT

- GPA: 4.19/4.5

Seoul, S.Korea

Mar. 2015 - Feb. 2021

Gapyeong High School

NATURAL SCIENCE

- Member of 1st Gapyeong High School Korean Traditional Archery club
- Dormitory president of 2nd grade

Gapyeong, S.Korea

Mar. 2011 - Feb. 2014

Work Experience

Republic of Korea Army

CAPITAL MECHANIZED INFANTRY DIVISION, THE 5273 BATTALION, ARTILLERY

- Served as squad leader in K55 and K55A1 self-propelled artillery
- VII Corps "Vanguard of Northern advance" Squad Leader Education Center completion as a top rank

Republic of Korea

Mar. 2016 - Oct. 2017

LUMAX Healthcare

SW DEVELOPER

- Sleep disorder discrimination deep-learning model developer

Republic of Korea

Sept. 2020 - Nov. 2020

Project Experience

SmallHTS

TEAM LEADER

- Algorithm trading window application.
- Using stack: Python, MySQL, Qt, API

Dec. 2020 - Mar. 2021

KoSpeech

TEAM MEMBER

- Open source project for character-based Korean end-to-end automatic speech recognition.
- Using a Korean speech corpus, KsponSpeech, opened in AI Hub.
- Recorded model performance of 10.31% CER(Character Error Rate) with sampled test data
- [Related](#)

Oct. 2019 - Sep. 2020

2019 Naver A.I Hackathon - Speech

TEAM MEMBER

- **Ranked 12/100** in Korean speech recognition competition hosted by Naver Corp. (2nd ranked, only considering undergraduated teams)
- Recorded model performance of **24.67%** CER(Character Error Rate)
- Various Hyper-parameter optimizing experiment

Sep. 2019 - Oct. 2019

Gwang Mat - an restaurant ranking program

TEAM LEADER

- Java-based Algorithm Process for SW Development - Samsung Multicampus
- To make ER diagram and a query to manage DB

Jun. 2019 - Sep. 2019

Launch-Pad

TEAM LEADER

- Development a launchpad on Windows console
- Used FMOD library and Multi-Thread in C++

Mar. 2018 - Jun. 2018

Personal Projects

AUTHOR

Mar. 2018 - Present

- Multi-User Chatting Program with Multiprocess, Multithread, Select - 2020, Spring
- Estimate of probability of 2020 South Korean legislative election with R - 2020, Spring
- Bubble Sorting and Selection Sorting with Assembly language - 2020, Spring

Extracurricular Activity

Speech Recognition Project Study Group

GROUP MEMBER

Jan. 2020 - Mar. 2020

- Reviewing speech recognition papers about model architecture, data augmentation, etc.
- [Related](#)

DITTO - C/C++ Mentor and Mentee Program

MENTOR

Mar. 2019 - Jun. 2019

- Tutoring pointer, File I/O, Concept of Class
- To make a quiz and algorithm problem

KAIG - Kwangwoon AI Group

GROUP MEMBER

Dec. 2018 - Jun. 2019

- Study group that learn from basic machine learning to deep learning
- Main goal: to make own NLP model

FC.Bekwang: College of Electronics and Information Engineering Football Club

CLUB LEADER

Jan. 2019 - Dec. 2019

- Tutoring MF movement and dribble for freshman
- Taking a plan to match with other team

Skills

Pre-Intermediate C, Java, Javascript, HTML, CSS

Intermediate C/C++, Python

Language Korean, English

Honors & Awards

HONORS

2019 **National Science & Technology Scholarship**, Ministry of Science and ICT, Spring Semester

2015 **Academic Excellence Scholarship**, Kwangwoon University, Fall Semester

AWARDS

2020 **Grand Award**, Capstone design competition

2019 **Excellence Award**, 5G-based ICT Convergence Service Idea Contest - KICS, SKT

2019 **12th Ranked**, 2019 Naver A.I Hackathon - Speech

2019 **Finalist**, Software Startup Idea Contest - Kwangwoon University - Fall

2019 **Popularity Award**, Startup Idea Contest - Kwangwoon University - Spring

2018 **Grand Award**, TRIZ Design Thinking Contest - Kwangwoon University - Fall