

Gunhoo Park

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EDUCATION

Chung-Ang University, Seoul, Republic of Korea

Mar 2015 - Feb 2020

- Bachelor of Engineering in Computer Science and Software
- GPA: 4.05/4.5, **major: 3.75/4.0**, Magna Cum Laude

PUBLICATIONS

Gunhoo Park, Jeongyeup Paek, “Audio-based Drone Ranging and Localization using Deep Learning (poster)”, *Proceedings of the 17th ACM International Conference on Mobile Systems, Applications, and Services (MobiSys’19)*, June 2019 [DOI] [PDF] [POSTER]

RESEARCH EXPERIENCES

Networked Systems Laboratory, Chung-Ang University

Sep 2018 - Feb 2020

Research Staff (Advisor: Dr. Jeongyeup Paek)

Seoul, Republic of Korea

- Led a project about audio-based real-time drone ranging and localization using deep learning on Linux and Raspberry-Pi
- Organized deep learning models(DNN, CNN, and RNN) and data processing processes, and built algorithms for the system.
- Published and presented the poster at Proceedings of the 17th ACM International Conference on Mobile Systems, Applications, and Services (MobiSys’19)

IITP-Purdue Summer Program, Purdue University

Jun 2018 - Aug 2018

Capstone Project Member (Advisor: Dr. Eric T. Matson)

West Lafayette, IN

- Developed a system that can distinguish UAV with 97% accuracy using intensive deep learning such as CNN and DNN based on audio features(MFCCs)

WORK EXPERIENCES

Military Service, Republic of Korea Army

Mar 2020 - Jun 2022

First Lieutenant(Signal Officer)

Samcheok, Republic of Korea

- Improved reception ratio of Tactical Multichannel Radio(TMR) in the 23rd division
- Managed tactical communications such as radio, cable, and satellite and led around 30 combatants

TEACHING EXPERIENCES

Computational Thinking and Problem Solving, Chung-Ang University

Sep 2017 - Dec 2017

Teaching Assistant

Seoul, Republic of Korea

- Covered basic software programming and Scratch
- Assisted professors in answering questions(in-person and online) and grading assignments and exams for 40 students

Samsung Dream Class, Yangkang Middle School

Mar 2016 - Dec 2016

Mathematics Mentor

Seoul, Republic of Korea

- Taught middle school mathematics to low-income family students twice a week

AWARDS AND SCHOLARSHIPS

Dedication Award, Republic of Korea Army	2022
KOREA Postal Service Agency Scholarship, awarded to only 100 IT students in Korea	2018
Volunteer(Department) Scholarship, Chung-Ang University	2017 - 2018
Department Honor Scholarship , Chung-Ang University, top of the school year	2017
CK-II(Creative Korea-II), Chung-Ang University, awarded as achievement in specialized subjects	2017
SAMSUNG Dreamclass Scholarship, SAMSUNG	2016
President Award, Chung-Ang University, won 1st place at drama festival	2016
Da Vinci Scholarship, Chung-Ang University, awarded to the specialized students	2015 - 2016

EXTRACURRICULAR ACTIVITIES

Association for Computing Machinery(ACM) <i>Student Member</i>	Jun 2019 - May 2020
Student Representative , Chung-Ang University <i>Departmental Student Representative</i>	Sep 2017 - Aug 2018 Seoul, Republic of Korea
<ul style="list-style-type: none">• Coordinated all department events and provided class information to students• Helped Computer Science and Engineering students adjust to courses and campus life	
Reserve Officers' Training Corps <i>Cadet Officer</i>	Mar 2017 - Feb 2020 Seoul, Republic of Korea

TECHNICAL SKILLS

Languages	Python, C/C++, Java , JavaScript, CSS, PHP, HTML
Platforms	Linux/Ubuntu, Git(hub) , Windows, Android
Licenses	Engineer Information Processing License
Languages	Korean(Native), English(Advanced)
Others	Taekwondo 1st Dan, Driver's License