

Gunhoo Park

Email: gunhoo2016@gmail.com Phone: (+82) 10 7925 2928 Homepage: gunhoo.github.io

OBJECTIVE

Applying for a graduate school, top-ranked in computer science. My research interests are in the field of Artificial Intelligence, Deep Learning, Algorithms, Mobile/Embedded Systems, and Networks.

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 (94.88/100), scaled: 3.73/4.0, **major: 3.75/4.0**, Magna Cum Laude

PUBLICATION

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]

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
- Built operations of communication technologies such as radio, cable, and satellite and led about 30 combatants

Networked Systems Laboratory, Chung-Ang University Sep 2018 - Feb 2020
Research Staff(Advisor: Dr. Jeongyeup Paek) Seoul, Republic of Korea

- Led project about audio-based real-time drone ranging and localization using deep learning(CNN, DNN, RNN) on Linux server and Raspberry-Pi
- 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

- Led capstone project: can distinguish UAV with 97% accuracy using intensive deep learning such as CNN and DNN based on audio features(MFCCs)

TEACHING

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 40 students, answered questions in person and online, and graded assignments and exams

Samsung Dream Class, Yangkang Middle School Mar 2016 - Dec 2016
Mathematics Mentor Seoul, Republic of Korea

- Covered middle school mathematics
- Taught 20 students, with low-income family, twice a week

SCHOLARSHIPS AND AWARDS

Dedication Award, Republic of Korea Army	2022
Magna Cum Laude, Chung-Ang University	2020
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 in ACT Festival	2016
Da Vinci Scholarship, Chung-Ang University, awarded to the specialized department 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">• Represented and volunteered for the students in the department of Computer Science and Engineering• Helped students adjust to computer science courses and campus life	
Reserve Officers' Training Corps <i>Cadet Officer</i>	Mar 2017 - Feb 2020 Seoul, Republic of Korea
Software Engineering Course , Chung-Ang University <i>Project Member(Software Engineer)</i>	Mar 2017 - Jun 2017 Seoul, Republic of Korea
<ul style="list-style-type: none">• Developed application: can distinguish and categorize images on the cell phone using AI models(TensorFlow and Inception-V3) and Linux Server.	

TECHNICAL SKILLS

Languages	Python, C, C++, Java , JavaScript, CSS, PHP, HTML
Platforms	Linux/Ubuntu, Git(hub), LaTeX, TensorFlow , Jupyter Notebook, Anaconda, Android
Licenses	Engineer Information Processing License
Others	Taekwondo 1st Dan, Driver's License