

Curriculum Vitae

Personal Details

Name	Jongsoo, Kim	Gender	Male
Birth of Date	1997.06.27	Military Service	2019.06.03 ~ 2020.12.29
Email 1	jongsoo.kim@kaist.ac.kr	Address	Daejeon, Republic of Korea
Email 2	jongsoo.kim.1997@gmail.com		

Research Interests

I'm currently studying the highly-robust audio fingerprinting system with deep neural network.

1. Music Sampling System with DL/ML
2. Neural Audio Fingerprinting
3. Neural Audio Codec

Education

Mar 2024 ~ Present	KAIST (Korea Advanced Institute of Science and Technology) <i>PhD student</i> of GSCT (Graduate School of Culture Technology) Under Prof. Juhan, Nam. (Music and Audio Computing Lab.)	Daejeon, Republic of Korea
Mar 2022 ~ Feb 2024	KAIST (Korea Advanced Institute of Science and Technology) <i>M.S. student</i> of GSCT (Graduate School of Culture Technology) Under Prof. Juhan, Nam. (Music and Audio Computing Lab.) Thesis: <i>Neural Audio Fingerprinting for Broadcast Monitoring with Source Separation</i>	Daejeon, Republic of Korea
Mar 2015 ~ Feb 2022	DGIST (Daegu Gyeongbuk Institute of Science and Technology) <i>Bachelor</i> of Computer Engineering Cumulative GPA : 3.76 / 4.30 (cum laude)	Daegu, Republic of Korea
Mar 2013 ~ Feb 2015	Busan Science High School	Busan, Republic of Korea

Employment History

Jul 2024	Python teacher, KAIST IT Academy I taught programming and <i>Python</i> at KAIST IT Academy. The name of lecture is " <i>Python</i> for Programming".	Daejeon
Jul 2024	Python teacher, KAIST IT Academy I taught programming and <i>Python</i> at KAIST IT Academy. The name of lecture is " <i>Python</i> for Programming".	Daejeon
Jun 2024	C Language teacher, KAIST IC Design Education Center I taught programming and <i>C Language</i> at KAIST IC Design Education Center. The name of lecture is " <i>C Language</i> Education".	Dongtan
Mar 2024 ~ Apr 2024	Python teacher, KAIST IT Academy I taught programming and <i>Python</i> at KAIST IT Academy. The name of lecture is " <i>Python</i> for Programming".	Daejeon
Feb 2024	C Language teacher, KAIST IC Design Education Center I taught programming and <i>C Language</i> at KAIST IC Design Education Center. The name of lecture is " <i>C Language</i> Education".	Dongtan
Sep 2023	Python teacher, KAIST IC Design Education Center I taught programming and <i>Python</i> at AI Track of KAIST IC Design Education Center. The name of lecture is " <i>Python</i> Language Education".	Dongtan
Mar 2023 ~ Jun 2023	Teaching Assistant of lecture, KAIST In KAIST, I'm taking a role as a teaching assistant of the lecture which name is "Multimedia Sound Technologies".	Daejeon

Jan 2023 ~ Jan 2023	C language teacher, KAIST IT Academy I taught programming and <i>C language</i> at KAIST IT Academy. The name of lecture is “ <i>C Language for Programming</i> ”.	Daejeon
Jan 2023 ~ Feb 2023	C++ teacher, KAIST IT Academy I taught programming and <i>C++</i> at KAIST IT Academy. The name of lecture is “ <i>C++ for Programming</i> ”.	Daejeon
Jan 2023 ~ Feb 2023	Python teacher, KAIST IT Academy I taught programming and <i>Python</i> at KAIST IT Academy. The name of lecture is “ <i>Python for Programming</i> ”.	Daejeon
Jul 2016 ~ Nov 2017	Co-Founder, Inc. Lab by Lab Co-Founder, Web-designer, UI/UX Designer, Product Manager, SNS Marketing Article Link : https://www.donga.com/news/Society/article/all/20170413/83832772/1	Seoul, Daegu
Nov 2016 ~ Dec 2016	C language teacher, Daegu Software High School I taught programming and C language to Daegu Software High School students for 8 weeks	Daegu

Research Experiences

Sep 2022 ~ Present	Highly-Robust Audio Fingerprinting with Deep Learning under Prof. Juhan, Nam. Role: Researcher	KAIST
Jun 2021 ~ Dec 2021	End-to-end Image Compression with Block Convolution under Prof. Kyong-Hwan, Jin (Co-Advised with Prof. Giho, Choi (Gachon University)) Role: Researcher	DGIST
Apr 2021 ~ Dec 2021	Music Source Separation & Score Following under Prof. Kijoon, Lee Role: Research Assistant	DGIST
Mar 2018 ~ Dec 2018	SAT2HEIGHT: Getting Height from Satellite Photography with Deep Learning under Prof. Doo Seok, Lee & Jihwan, Choi Role: Researcher (Data Processing, Image Processing)	DGIST

Internships

Jun 2016 ~ Jul 2016	Research Intern, Information and Communication Engineering of DGIST Research Intern in “CSI Lab (Cyber-physical Systems Integration Lab.)” under Prof. Kyung-Joon, Park Theme: Algorithms for Congestion Avoidance in Computer Networks.	DGIST, Daegu
Jun 2021 ~ Dec 2021	Research Intern, Information and Communication Engineering of DGIST Research Intern in “IPL Lab (Image Processing Lab.)” under Prof. Kyong-Hwan, Jin Theme: End-to-end Image Compression with Block Convolution.	DGIST, Daegu

Extra-Curricular Activities

Jul 2016 ~ Jan 2017	MS Youth Spark Mentor, Microsoft Volunteer work to teach programming education to local children	Daegu, Seoul
Jun 2016 ~ Aug 2016	“Like Lion (멋쟁이 사자처럼)” with DGIST I learned about ‘Ruby on Rails’	Daegu
Mar 2016 ~ Jun 2016	Tutor of “Applied Calculus and Differential Equations” class, DGIST Tutor of “Applied Calculus and Differential Equations” class	Daegu

Skills

Python	●●●●●	Pytorch	●●●●○
Tensorflow	●●●○○	Adobe Photoshop	●●●●○
C	●●●●●	Adobe Illustrator	●●●○○
C++	●●●●○	Sketch	●●●●○
HTML&CSS	●○○○○	Ableton Live	●●●●○

Achievements

Dec 2016	Third Prize, JETS Start-up Competition Inc. Lab By Lab	JETS (Joint Education center for Technology Startup)
Nov 2016	First Prize, DGIST Start-up Competition Inc. Lab By Lab	DGIST
Nov 2016	Popular Award, DGIST Start-up Competition Inc. Lab By Lab	DGIST
Nov 2016	Selected for ‘창업맞춤형지원사업’ (\$40,000) Inc. Lab By Lab	Small and Medium Business Administration, Republic of Korea

Links

Linkedin	<u>Linkedin Link</u>
Music	<u>Demo Link</u>
GitHub	<u>GitHub Link</u>