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 Sampling-based Music Making System with ML/DL.

1. Sampling-based Music Making with ML/DL
2. Neural Beat Tracking
3. Neural Audio Fingerprinting

Education

Mar 2024 ~ Present	**KAIST (Korea Advanced Institute of Science and Technology)** *PhD candidate* of GSCT (Graduate School of Culture Technology) Under Prof. Juhan, Nam. (Music and Audio Computing Lab.)	Daejeon, Republic of Korea
Mar 2022 ~ Feb 2024t	**KAIST (Korea Advanced Institute of Science and Technology)** *M.S.* of GSCT (Graduate School of Culture Technology) Under Prof. Juhan, Nam. (Music and Audio Computing Lab.) **Thesis:** *Neural Audio Fingerprinting for Broadcast Monitoring with Source Separation*	Daejeon, Republic of Korea
Mar 2015 ~ Feb 2022	**DGIST (Daegu Gyeongbuk Institute of Science and Technology)** *Bachelor* 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

Selected Academic Services

2025	**Local Organization Chair** 2025 International Society for Music Information Retrieval (ISMIR) Conference 1. Tutorial Technical Chair (A/V system, Facility, Live Streaming, etc.) 2. Chair of Korean Folk Game for K-Culture Night event	Daejeon, Republic of Korea

Work Experience

Aug 2025	***Python* teacher, National Tax Service** Teacher of "Basic *Python* & Data Analysis" at National Tax Service (with KAIST IT Academy).	Sejong, Republic of Korea
Aug 2025	***AI* teacher, KAIST IC Design Education Center** Teacher of "AI Research Project Contest" at AI Track of KAIST IC Design Education Center.	Dongtan, Republic of Korea
July 2025	***Python* teacher, KAIST IT Academy** I taught programming and *Python* at KAIST IT Academy. The name of lecture is "Basic *Python* & Data Analysis".	Daejeon, Republic of Korea
May 2025	***Python* teacher, KAIST IT Academy** I taught "Basic *Python* & Data Analysis" for Military Personnel at KAIST IT Academy.	Daejeon, Republic of Korea
May 2025	***Python* teacher, KAIST IC Design Education Center** I taught programming and *Python* at AI Track of KAIST IC Design Education Center. The name of lecture is "*Python* Language Education".	Dongtan, Republic of Korea
May 2025	***Python* teacher, KAIST IT Academy** I taught "Basic *Python* & Data Analysis" for Military Personnel at KAIST IT Academy.	Daejeon, Republic of Korea

Feb 2025	**_C Language_ teacher, KAIST IC Design Education Center** I taught programming and _C Language_ at KAIST IC Design Education Center. The name of lecture is "_C Language_ Education".	Dongtan, Republic of Korea
Jan 2025	**_Python_ teacher, KAIST IT Academy** I taught programming and _Python_ at KAIST IT Academy. The name of lecture is "_Python_ for Programming".	Daejeon, Republic of Korea
Jul 2024	**_Python_ teacher, KAIST IT Academy** I taught programming and _Python_ at KAIST IT Academy. The name of lecture is "_Python_ for Programming".	Daejeon, Republic of Korea
Jul 2024	**_Python_ teacher, KAIST IT Academy** I taught programming and _Python_ at KAIST IT Academy. The name of lecture is "_Python_ for Programming".	Daejeon, Republic of Korea
Jun 2024	**_C Language_ teacher, KAIST IC Design Education Center** I taught programming and _C Language_ at KAIST IC Design Education Center. The name of lecture is "_C Language_ Education".	Dongtan, Republic of Korea
Mar 2024 ~ Apr 2024	**_Python_ teacher, KAIST IT Academy** I taught programming and _Python_ at KAIST IT Academy. The name of lecture is "_Python_ for Programming".	Daejeon, Republic of Korea
Feb 2024	**_C Language_ teacher, KAIST IC Design Education Center** I taught programming and _C Language_ at KAIST IC Design Education Center. The name of lecture is "_C Language_ Education".	Dongtan, Republic of Korea
Sep 2023	**_Python_ teacher, KAIST IC Design Education Center** I taught programming and _Python_ at AI Track of KAIST IC Design Education Center. The name of lecture is "_Python_ Language Education".	Dongtan, Republic of Korea
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, Republic of Korea
Jan 2023 ~ Jan 2023	**_C language_ teacher, KAIST IT Academy** I taught programming and _C language_ at KAIST IT Academy. The name of lecture is "_C Language_ for Programming".	Daejeon, Republic of Korea
Jan 2023 ~ Feb 2023	**_C++_ teacher, KAIST IT Academy** I taught programming and _C++_ at KAIST IT Academy. The name of lecture is "_C++_ for Programming".	Daejeon, Republic of Korea
Jan 2023 ~ Feb 2023	**_Python_ teacher, KAIST IT Academy** I taught programming and _Python_ at KAIST IT Academy. The name of lecture is "_Python_ for Programming".	Daejeon, Republic of Korea
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, Republic of Korea
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, Republic of Korea

Research Experiences

Sep 2022 ~ Present	**Neural Audio Fingerprinting for Broadcast Monitoring with Source Separation** under Prof. Juhan, Nam. Master Thesis	KAIST, Republic of Korea
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, Republic of Korea
Apr 2021 ~ Dec 2021	**Music Source Separation & Score Following** under Prof. Kijoon, Lee Role: Research Assistant	DGIST, Republic of Korea

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, Republic of Korea

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, Republic of Korea
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, Republic of Korea

Extra-Curricular Activities

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

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, Republic of Korea
Nov 2016	**Popular Award, DGIST Start-up Competition** Inc. Lab By Lab	DGIST, Republic of Korea
Nov 2016	**Selected for '창업맞춤형지원사업' ($40,000)** Inc. Lab By Lab	Small and Medium Business Administration, Republic of Korea

Links

Linkedin	***Linkedin Link***
Music	***Demo Link***
GitHub	***GitHub Link***