

# 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	<a href="mailto:jongsoo.kim@kaist.ac.kr">jongsoo.kim@kaist.ac.kr</a>	Address	Daejeon, Republic of Korea
Email 2	<a href="mailto:jongsoo.kim.1997@gmail.com">jongsoo.kim.1997@gmail.com</a>		

## 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 Beat Tracking
3. Neural Audio Fingerprinting

## Education

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

## Employment History

May 2025	<b>Python teacher, KAIST IC Design Education Center</b> 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
May 2025	<b>Python teacher, KAIST IT Academy</b> I taught "Basic <i>Python</i> & Data Analysis" for Military Personnel at KAIST IT Academy.	Daejeon
Feb 2025	<b>C Language teacher, KAIST IC Design Education Center</b> 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
Jan 2025	<b>Python teacher, KAIST IT Academy</b> I taught programming and <i>Python</i> at KAIST IT Academy. The name of lecture is " <i>Python</i> for Programming".	Daejeon
Jul 2024	<b>Python teacher, KAIST IT Academy</b> I taught programming and <i>Python</i> at KAIST IT Academy. The name of lecture is " <i>Python</i> for Programming".	Daejeon
Jul 2024	<b>Python teacher, KAIST IT Academy</b> I taught programming and <i>Python</i> at KAIST IT Academy. The name of lecture is " <i>Python</i> for Programming".	Daejeon
Jun 2024	<b>C Language teacher, KAIST IC Design Education Center</b> 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	<b>Python teacher, KAIST IT Academy</b> I taught programming and <i>Python</i> at KAIST IT Academy. The name of lecture is " <i>Python</i>	Daejeon

	for Programming”.	
Feb 2024	<b>C Language teacher, KAIST IC Design Education Center</b> 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	<b>Python teacher, KAIST IC Design Education Center</b> 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	<b>Teaching Assistant of lecture, KAIST</b> 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	<b>C language teacher, KAIST IT Academy</b> I taught programming and <i>C language</i> at KAIST IT Academy. The name of lecture is “ <i>C Language</i> for Programming”.	Daejeon
Jan 2023 ~ Feb 2023	<b>C++ teacher, KAIST IT Academy</b> I taught programming and <i>C++</i> at KAIST IT Academy. The name of lecture is “ <i>C++</i> for Programming”.	Daejeon
Jan 2023 ~ Feb 2023	<b>Python teacher, KAIST IT Academy</b> I taught programming and <i>Python</i> at KAIST IT Academy. The name of lecture is “ <i>Python</i> for Programming”.	Daejeon
Jul 2016 ~ Nov 2017	<b>Co-Founder, Inc. Lab by Lab</b> Co-Founder, Web-designer, UI/UX Designer, Product Manager, SNS Marketing Article Link : <a href="https://www.donga.com/news/Society/article/all/20170413/83832772/1">https://www.donga.com/news/Society/article/all/20170413/83832772/1</a>	Seoul, Daegu
Nov 2016 ~ Dec 2016	<b>C language teacher, Daegu Software High School</b> I taught programming and C language to Daegu Software High School students for 8 weeks	Daegu

## Research Experiences

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

## Internships

Jun 2016 ~ Jul 2016	<b>Research Intern, Information and Communication Engineering of DGIST</b> 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	<b>Research Intern, Information and Communication Engineering of DGIST</b> 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	<b>MS Youth Spark Mentor, Microsoft</b> Volunteer work to teach programming education to local children	Daegu, Seoul
Jun 2016 ~ Aug 2016	<b>“Like Lion (멋쟁이 사자처럼)” with DGIST</b> I learned about ‘Ruby on Rails’	Daegu
Mar 2016 ~ Jun 2016	<b>Tutor of “Applied Calculus and Differential Equations” class, DGIST</b> 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	<b>Third Prize, JETS Start-up Competition</b> Inc. Lab By Lab	JETS (Joint Education center for Technology Startup)
Nov 2016	<b>First Prize, DGIST Start-up Competition</b> Inc. Lab By Lab	DGIST
Nov 2016	<b>Popular Award, DGIST Start-up Competition</b> Inc. Lab By Lab	DGIST
Nov 2016	<b>Selected for ‘창업맞춤형지원사업’ (\$40,000)</b> Inc. Lab By Lab	Small and Medium Business Administration, Republic of Korea

## Links

LinkedIn	<a href="#"><u>Linkedin Link</u></a>
Music	<a href="#"><u>Demo Link</u></a>
GitHub	<a href="#"><u>GitHub Link</u></a>