

Yoojin Kim

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Education

- Korea Advanced Institute of Science and Technology (KAIST)** *Aug.2018 - Feb.2021*
M.S. in Graduate School of Culture Technology, Music and Audio Computing Lab.
- Yonsei University, Seoul** *Mar.2014 - Aug.2018*
B.S. in Computer Science *3.76/4.3 (4.02/4.3 in major)*

Industrial Experience

- Samsung Research, Samsung Electronics** *Jan.2021 - Present*
Seoul, South Korea

Academic Experience

- SNU AI Policy Initiative** *Jun.2020 - Aug.2020*
Research Intern, Seoul National University
- Computer Graphics and Applications Lab** *Jun.2017 - Aug.2017*
Research Intern, Yonsei University
- Severance Hospital** *Jun.2015 - Aug.2015*
Research Intern (for Data Analytics)

Research Interests

AI Ethics, Data Governance, Machine Learning, Deep Learning, Data Science

Publications

Papers

- **Emotion Classification and Analysis of Expressive Performances in Classical Piano Music**
[Y.Kim](#), J.Park, D.Jeong, T.Kwon, J.Park, and J.Nam
Proceedings of the 16th International Conference on Music Perception and Cognition (ICMPC16), 2021
- **VirtuosoNet: A Hierarchical RNN-based System for Modeling Expressive Piano Performance**
D.Jeong, T.Kwon, [Y.Kim](#), K.Lee and J.Nam
Proceedings of the 20th International Society for Music Information Retrieval Conference (ISMIR), 2019
- **Graph Neural Network for Music Score Data and Modeling Expressive Piano Performance**
D.Jeong, T.Kwon, [Y.Kim](#), and J.Nam
Proceedings of the 36th International Conference on Machine Learning (ICML), 2019
- **Score and Performance Features for Rendering Expressive Music Performances**
D.Jeong, T.Kwon, [Y.Kim](#), and J.Nam
Proceedings of the Music Encoding Conference, 2019

Patents

- **Method and Device for Multi-style Conditioned Expressive Piano Performance Rendering**
J.Nam, D.Jeong, T.Kwon, [Y.Kim](#),
(Filing) 10-2020-0070101, 2020

Thesis

- **Analysis of Performance Features According to Emotional Expression in Classical Piano Music**
M.S. thesis, KAIST, 2021

Academic Talk

Domestic

- **Analysis of Performance Features According to Emotional Expression in Classical Piano Music**
Y.Kim, J.Park, D.Jeong, T.Kwon, and J.Nam
Korean Society of Music Perception and Cognition, 2020

Projects

Emotional Music Performance Generation System using Machine Learning 2019 - 2020
Samsung Science & Technology Foundation

Awards and Honors

VR/AR Grand Challenge Award 2019
Korea VR Festival 2019

High Honor Award 2018, 2017
Academic Achievement Award for high grade students, Yonsei University

The National Scholarship for Science and Engineering 2017
National scholarship for undergraduates with strong academic performance in science and engineering

Teaching

Instructor

- Data Processing using Python, KAIST IT Academy, Oct 2020 - Dec 2020
- C++ language, KAIST IT Academy, Dec 2019 - Mar 2020
- C language, KAIST IT Academy, Jun 2019 - Dec 2019

Teaching Assistant

- GCT501 Introduction to Culture Techonology, KAIST GSCT, Spring, Fall 2019
- CS101 Introduction to Programming, KAIST CS, Fall 2018

Extra-Curricular Activities

Amateur Cellist 2019 - Present
Festival Ensemble Gaudium

Amateur Violist 2014 - 2018
Yonsei Amateur Orchestra
principal in 2015