

Jongyeon Yoon

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EDUCATION

Vanderbilt University Doctor of Philosophy in Computer Science	Jan 2024 - Present Nashville, TN
Dongguk University <i>Bachelor of Science in Statistics & Software Convergence (Double major)</i> Total GPA of 4.00/4.5 (94.3/100)	Mar 2017 – Aug 2023 Seoul, South Korea

RESEARCH EXPERIENCE

Visual Informatics and Engineering (VINE) Laboratory , Vanderbilt University <i>Graduate Student Researcher</i> (Advisor: Professor Daniel Moyer)	Jan 2024 - Present Nashville, TN
Medical-image Analysis and Statistical Interpretation (MASI) Laboratory , Vanderbilt University <i>Affiliated Student Researcher</i> (Advisor: Professor Bennett Landman)	Jan 2024 – Present Nashville, TN
Data Analysis Machine Intelligence (DAMI) Laboratory , Dongguk University <i>Undergraduate Student Researcher</i> (Advisor: Professor Woojin Lee)	Jan 2022 – Aug 2023 Seoul, South Korea

Publication

** denotes equal contribution*

Journal Paper

- [1] **Fairness-aware Multimodal Learning in Automatic Video Interview Assessment**
Changwoo Kim*, Jinho Choi*, **Jongyeon Yoon***, Daehun Yoo, Woojin Lee

TEACHING EXPERIENCE

Computer Architecture Lab , Vanderbilt University <i>Graduate Teaching Assistance</i>	2024 Fall Nashville, TN
R-Programming for Data Scientist , Dongguk University <i>Undergraduate Teaching Assistant</i>	2022 Fall Seoul, South Korea

WORKING EXPERIENCE

Department of IT Convergence Education Center , Dongguk University <i>Working Scholars</i>	Jul 2022 – Jun 2023 Seoul, South Korea
Department of Employment Center , Dongguk University <i>Working Scholars</i>	Sep 2021 – Feb 2022 Seoul, South Korea

PROJECTS

TEM Segmentation , Vanderbilt University (Advisor: Professor Daniel Moyer) <ul style="list-style-type: none">Trained U-Net from scratch for segmenting nanoparticles and pores in TEM imagesManually labeled images and created masks to train U-Net	Apr 2023 – Dec 2023
Fairness-aware Multimodal Learning in Automatic Video Interview Assessment (Advisor: Professor Woojin Lee) <ul style="list-style-type: none">Designed a multimodal that evaluates interviewee using their video, text, and audio data	Aug 2022 – Oct 2023

- Proposed a regularization term to improve fairness metric in multi-modal setting
- Proposed preprocessing method that can manually adjust the underlying degree of unfairness in the training data
- Accepted at IEEE Access as co-first Author

HONORS AND AWARDS

Undergraduate

- Dean's List, Dongguk University, 2020 Fall/2021 Spring/2022 Spring

EXTRACURRICULAR ACTIVITIES

Convergence Software, Dongguk University
President of the Student Committee

Sep 2022 – Feb 2023
Seoul, South Korea

Machine Learning and Deep Learning Study, Dongguk University
Study group leader

Jan 2022 – Jun 2022
Seoul, South Korea

Dongguk University Tennis Club
Captain, Regular Member

Mar 2017 – Aug 2023
Seoul, South Korea