

# Young Jin Ahn

[snoop2head@kaist.ac.kr](mailto:snoop2head@kaist.ac.kr) | [GitHub](#) | [Google Scholar](#)

## EDUCATION

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**KAIST - Korea Advanced Institute of Science and Technology** (Advisor: Kee-Eung Kim) Seoul, South Korea  
*M.S. in Artificial Intelligence; GPA: 4.17 / 4.3* September 2023 – June 2025

**Yonsei University** Seoul, South Korea  
*B.A. in Economics & Minor in Applied Statistics; GPA: 3.81 / 4.3* March 2015 – August 2023

## PUBLICATIONS

\* indicates co-first author

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[SyncVSR: Data-Efficient Visual Speech Recognition with End-to-End Crossmodal Audio Token Synchronization](#)

Young Jin Ahn\*, Jungwoo Park\*, Sangha Park, Jonghyun Choi, Kee-Eung Kim.

**Interspeech 2024**

[Monet: Mixture of Monosemantic Experts for Transformers](#)

Jungwoo Park\*, Young Jin Ahn\*, Kee-Eung Kim, Jaewoo Kang.

**Under Review at ICLR 2025 (Top 5%)**

[Contrast with Aggregation: A Scalable Framework for Multi-View Representation Learning](#)

HyeongJoo Hwang, Young Jin Ahn, Heesan Kong, Seokin Seo, Seunghoon Hong, Kee-Eung Kim.

**Under Review at ICLR 2025 (Top 30%)**

## RESEARCH EXPERIENCES

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**Principal Investigator** September – November 2022

*Personal Identifiable Information Filtering National R&D Project funded by the Ministry of Science and ICT.*

- Managed a \$150,000 research fund and recruited research participants.
- Developed annotation guidelines for a privacy-focused benchmark and coordinated with data labeling companies.

**Research Intern** July – August 2022

*Department of Computer Science, College of Computing, Yonsei University (Advisor: Dokyung Song)*

- Implemented membership inference attack methods on large language models (LLMs) and CNNs.

**Research Intern** January – April 2023

*Department of Artificial Intelligence, College of Computing, Yonsei University (Advisor: Jonghyun Choi)*

- Found failure cases of masked reconstruction models in recognizing homophones and proposed SyncVSR.

## PROJECT EXPERIENCES

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**Multimodal Question Answering with Chest X-ray Images** | [GitHub](#) March 2024 – June 2024

*Reliable question answering based on SQL queries, X-ray images and text health records.*

- Achieved the first positive Reliability Score on the EHRXQA benchmark, minimizing false positives.
- Trained Multimodal Masked Autoencoder (M3AE) from scratch on 650K radiographs and text pairs.

**DotNeuralNet** | [GitHub](#) | [Demo](#) March 2023

*Google Developer Student Clubs Solution Challenge Global Top 100: Optical Braille recognition in the wild.*

- Created the first annotated in-the-wild Braille dataset, labeled with a custom multi-label classifier.
- Built a lightweight optical Braille recognition model and a language model, achieving a BLEU score of 0.75.

**KoDALLE: Text to Fashion** | [GitHub](#) November 2021 – January 2022

*The first Korean DALLE, capable of generating dress outfit images from text prompts.*

- Addressed language data scarcity with pretrained language model's embeddings for DALLE training.
- Preprocessed over 1 million image-caption pairs and trained the generative model.

## COMPETITIONS

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**NIPA, Machine Reading Comprehension Competition** | [GitHub](#) June – July 2022

*(2<sup>nd</sup> / 26 companies) Developed an extractive QA system under constrained computational resources.*

**Ministry of Statistics, Korean Standard Industry Classification** April 2022

*(7<sup>th</sup> / 311 teams) Built a sequence classification model for categorizing industries into 200 categories/sub-categories.*

**Dacon, KLUE Natural Language Inference Competition** | [GitHub](#) January 2022

*(1<sup>st</sup> / 468 teams) Utilized typed-marker and selective sentence pooling techniques to fine-tune RoBERTa.*

**Dacon, Code Clone Detection Competition** | [GitHub](#) June 2022  
*(3<sup>rd</sup> / 337 teams) Employed ensemble encoders pretrained on disjoint datasets to identify code similarity.*

**Dacon, Stock Price Prediction Competition** | [GitHub](#) September 2021  
*(6<sup>th</sup> / 205 teams) Predicted the closing price of 376 public companies with ML models trained on financial data.*

**Selectstar & NIA, Corpus Proposal Competition** | [GitHub](#) September 2019 – March 2020  
*(3<sup>rd</sup> place) Planned and collected a multimodal dataset of emotional Instagram posts..*

## OPENSOURCE CONTRIBUTIONS

**docker/docker.github.io** | [Pull Request](#) March – April 2020  
*Source repo for Docker's official documentation.*

- Updated PostgreSQL initialization guideline in "Quickstart: Dockerizing Django" documentation.

**NVlabs/stylegan2-ada-pytorch** | [Pull Request](#) November 2021  
*Source repo of NVIDIA research for StyleGAN2-ADA.*

- Fixed torch version comparison fallback error.

## WEB PROJECT

**yonsei.exchange** | [GitHub](#) | [Website](#) July 2020 – Present  
*22,000 pageviews & average retention time 3 min+, website with summaries for 100 universities to study abroad.*

- Collected and preprocessed students' text review data from the web.
- Visualized department distribution and weather information.
- Ranked the satisfaction level of students for each university with custom masked language model.

## TECHNICAL SKILLS

**Languages** Python, R, JavaScript (\* in the order of fluency)  
**Libraries** PyTorch, JAX, Flax, Transformers, PyTorch Lightning, OpenCV, Docker, Django

## LANGUAGE SKILLS

**Korean** Native  
**English** Fluent, TOEFL iBT 110/120, served as a platoon leader at USANEC-Casey in the US Army  
**Chinese** Novice, HSK 4

## HONORS AND AWARD

Academic Honors, Yonsei University Spring, 2015

## LEADERSHIP AND SERVICE

Founder & leader of Yonsei Indoor Bouldering Club February 2022 – December 2022  
 Academic support for North Korean refugee students, 80+ hours September 2015 – April 2016  
 Quantitative finance leader in Yonsei Investment Group June 2021 – December 2021  
 Yonsei Vision Up academic support for high school students March – December 2016  
 Military service for Republic of Korea, Senior KATUSA September 2017 – May 2019