

Yejun Oh

Graduate Student, Seoul National University
yejunoh@snu.ac.kr | https://github.com/Partial02

EDUCATION

Seoul National University **Expected Graduation Date:** August 2031

M.S.+Ph.D., Dpt. of *Data Science* **September 2026 – Current**
(Advisor: Prof. Park Hyunwoo)

Korea University **Graduation Date:** August 2026

B.S., Dpt. of *Data Science*, Col. of *Informatics* **March 2021 – August 2026**
GPA: 4.23/4.5, Early Graduation

RESEARCH EXPERIENCES

Data Mining & Information Systems (KU DMIS) Lab **March 2026 – June 2026**
(Prof. Kang Jaewoo)
Undergraduate Researcher

- Interested in Link Prediction, Graph Prediction, Graph-based tasks
- Reading Holograph, Hypergraph, Geometric learning, etc. paper
- Implementing GCN, GAT, GIN, etc. with *networkx* and *PyG*

Korea Institute of Science & Technology(KIST) Co-op Internship **June 2025 – August 2025**
(Dr. Kwak Sona)
Data Pipelining Manager

- Manager for sensor and application data pipelining at HRI/HCI Lab
- Participation for 'Development of a Multimodal AI-Based Interactive Smart Furniture Design and Subscription Service for Hyper-Personalized Space Optimization' Project
- Collecting five different sensor data into integrated server DB via BLE, Wifi and API
- Establishing Ubuntu server & PostgreSQL database
  with Semi-Realtime Data Visualization Dashboard with *Plotly*, *Dash* and *Gunicorn*
- Cooperation with Rovothome Co., Ltd.

Seoul National University(SNU) OUTTA Summer Bootcamp **July 2024 – August 2024**

- SGD, Seq2seq, AutoEncoder, HuggingFace, BERT, GPT, etc.
- Image Recognition model with pre-trained frozen VGG16 and transfer learning about signs
- Fraud Detection model with pre-trained BERT and Gemini API about job duty
- Music Genre Classification model with *librosa* library in rhythm and spectral domain

ROK MND AI/SW Competency Development Program **March 2023 – October 2023**

- ML(Scikit-Learn, Tensorflow), DL(PyTorch), FrontEnd(CSS,JavaScript), BackEnd(SQL, NoSQL)
- Military AI CONtest(MAICON) Participation

PROJECT EXPERIENCES

Knowledge On-Off Switch with Continual Unlearning & Relearning **March 2026 – June 2026**

Team Leader

- Relearning unlearned knowledge efficiently with Orthogonal LoRA & OOD detector
- Implementing unlearning-relearning knowledge switch using hypersphere boundary shift

Discovery/Re-ID Fine-grained Visual Categorization Model **March 2026 – April 2026**

(@ CVPR-FGVC & CLEF Kaggle competition)

Team Leader

- Improving Miew-ID re-identification model with FINCH clustering & feature normalization
- Fine-tuned pre-trained model by partial freezing, adaptive learning rate and EMA
- Applying Ratio-PK sampling to data and early stop with validation sets' *multiSimilarityLoss*

Multi-head LabelGCN for Hierarchical Text Classification **December 2025**

- Generating silver labels with *mxbai* embedding model for self-supervised learning
- Multi-head LabelGCN model with *AdamW* optimizer & *CosineAnnealingLR* scheduler
- Applying skip connection and dropout to bidirectional forward propagation between GCN layers

Latent space EBM via short-run MCMC **April 2025 – June 2025**

Team Leader

- Digit recognition Energy Based Model for SVHN datasets
- Mixing prior as EBM and posterior as Gaussian into short-run Langevian MCMC

AWARDS & SCHOLARSHIPS

- KU Dean's Award (2024-fall): All Courses A+ (18 credits)
- KU Internship Scholarship (2025-summer)
- KU Academic Scholarship (2024-fall)
- Kochon Foundation Dormitory Scholarship (2024-fall ~ Current)

SKILLS

Certificate

- Advanced Data analytics semi-Professional(ADsP) – September 2025
- Craftsman Information Equipment Operation(정보기기운용기능사) – November 2023
- Craftsman Information Processing(정보처리기능사) – June 2023

Language | New TEPS(453), German(A1), KCCI Hanja(Level 3)
Coding | Baekjoon Online Judge Gold 1(solved.ac)

EXTRACURRICULAR ACTIVITIES

Inter/Intra-university Club

- Gookyeon(고려대학교 중앙국악관현악동아리 국악연구회) **September 2025 – August 2026**
- Band Club Unknown (연합밴드동아리 언노운) **August 2024 – September 2026**
  Formal President
- Woonhwahoei(고려대학교 중앙교육봉사동아리 운화회) **August 2021 – August 2022**

Mandatory Military Service **August 2022 – February 2024**

- ROK Defense Communication Command, Mobile M/W(국군지휘통신사령부 M/W 정비운용)
- Squad leader, Chairman for self-governing committee, Chaplain assistant

Research interest!