Raeyoung Chang

| icanry@sogang.ac.kr | https://www.linkedin.com/in/happyryanchang/

EDUCATION

University of Toronto / Government Scholarship   *Toronto*
Graduate   Jan. 2025 – Jul. 2025

2025 AI Convergence Education Program(Meng)
Sponsored by the Korean Government (IITP)
Selected as one of the 34 final candidates

Sogang University (GPA 4.24/4.5) / Full-ride Government Scholarship   *Seoul*
Graduate   Feb. 2024 - Now

Master of Computer Science (AI)
Bigdata Processing & DB LAB
Research Area: Multi Agent System, KG-RAG

Konkuk University (GPA 3.31/4.5)   *Seoul*
Undergraduate   Mar. 2012 - Feb. 2019

Management of Technology and Real Estate

CONFERENCE

GEMMAS: Graph-based Evaluation Metrics for Multi Agent Systems   *EMNLP Industry Track 2025*

Oral Session   Nov.2025
arXiv preprint arXiv:25507.13190

Session-based recommendation system through a session graph creation   *KSC 2024*

Oral Session   Dec.2024

PROJECTS

Graph-based Evaluation Metrics for Multi agent Systems   *University of Toronto, LG Toronto AI Lab*

Evaluation Frameworks for Agentic AI systems project   Jan. 2025 – Now
Funding support from Korean Government (IITP)

Framework with Application-driven Spatio-Temporal Efficiency for Video Anomaly Detection
                                                                                University of Toronto, Lorex Technology

Video Anomaly detection project   Jan. 2025 – Now
Funding support from Korean Government (IITP)

Fine-tunning a Fashion Domain Image Generation Model Using Self-Instruct   *Sogang Univ*

Proposing a Text-to-Image model using Self-Instruct for data augmentation and generation   Sep. 2024 – Jan. 2025
Funding support from Sogang University

Session-based recommendation system through a session graph creation   *KSC 2024*

Proposing a session-based recommendation model to enable effective item recommendations for anonymous users through session similarity   May. 2024 – Dec.2024

Delivered a research presentation at the 2024 KSC Annual Conference(2024.12.18~20)

AI Robot Arm 2D bin packing system   *Posco AI.Big data program*

Using Jetson nano, Dofbot, Depth cam(real sense), ubuntu, ROS, OpenCV, Yolov5, VMware, gstreamer   Apr. 2023 – Jul. 2023
Won the Excellence Award at the Posco AI. Bigdata Competition project

NLP- Language Modeling Task Kaggle competition   *Posco AI.Big data program*

Train Language Model for GLUE SST-2 Dataset   Jun. 2023 – Jun. 2023

Kaggle (Leaderboard Rank Top 20% (14th / 72))
Mean Squared Error : 0.0000

WORK EXPERIENCE

AI Teaching Assistance (Co-Instructor) *LG U+ Magok, Seoul & Fastcampus*
AI Teaching Assistance, Vibe Coding Program for Non-Technical Professionals Dec. 2025
- Supported a hands-on Vibe Coding program designed for non-technical professionals at LG U+
- Guided participants in AI-assisted development workflows using Google AI Studio and Cursor
- Assisted in building simple databases and data pipelines for AI-enabled MVPs
- Helped participants apply Python-based workflows to prototype practical business use cases
- Skills: Data Engineering (Foundations), Python, Google AI Studio, Cursor

AI Teaching Assistance (Co-Instructor) *Gwanak District Office (관악구청) & Fastcampus*
AI Teaching Assistance, Generative AI Practical Program for Career and Startup Ready Youth Nov. 2025
- Co-instructed a hands-on Generative AI course focused on rapid MVP development using Vibe Coding methodologies
- Guided participants in building functional MVPs with Cursor, leveraging AI-assisted coding workflows
- Introduced applied AI agent concepts and Knowledge Graph–based RAG systems for practical product implementation
- Skills: AI Agents, Knowledge Graph RAG, Cursor, Vibe Coding

AI Mentor *Samsung Fire & Marine Insurance & Fastcampus*
AI Mentor, Samsung Fire & Marine Insurance AI Business Expert Program Sep. 2025 – Oct. 2025
- Served as a mentor in Samsung Fire & Marine Insurance`s AI Business Expert Program, jointly operated with FastCamus
- Advised participants on Generative AI and Agentic AI for real-world insurance and business use cases
- Guided applied AI projects from problem definition to model design, focusing on practical deployment, data-driven decision-making, and business impact

POSTECH Institute of Artificial Intelligence *Pohang*
POSCO AI.Big data program Apr. 2023 - Jul. 2023
- Learned Python, AIoT, Machine/Deep Learning, NLP, Computer Vision for 10 weeks
- Win the Excellence-Award Used AI Vision Robotic Arm with ROS bin packing

Hyundai Department Store Group *Seoul*
Marketing Team, HQ Sales Planning Department Apr. 2019 - May. 2022(37 months)
- Created a real-time location-based mobile application in collaboration with the IT team used Computer Vision
- Analyzed the commercial districts and Re-organized online partnerships/internal promotions used Hyundai analytics tool
- Produced "Green" VIP membership vouchers for the elite customers of Hyundai Department Store

Robert Bosch Korea *Yong-in*
Global Sales Team Intern(PowerTrain Solution) Jul. 2018 - Dec. 2018(6 months)
- Assisted powertrain solution trade and durability test with Bosch offices in India, Italy and the HQ in Germany

TECHNICAL SKILLS

Programming Python
Deep Learning Framework TensorFlow, Pytorch, Keras

EXTRA EXPERIENCES(Mentor)

Teaching Assistant (1 class) *Sogang Univ*
Computer Vision Sep. 2024 - Now

Teaching Assistant (6 classes) *Sogang Univ*
Computer Vision, Fundamentals for TensorFlow Utilization Python Programming, Social Media data analytics
Statistical-based data analysis, Blockchain Mar. 2024 - Jun. 2024

Student Mentor *Konkuk Univ*
Alumni Career Mentor Mar. 2021 - Nov. 2021

Accounting Tutor *Konkuk Univ*
Peer Student Tutor(accounting) Mar. 2017 - Dec. 2017

Young Leader`s Club *Seoul*

CERTIFICATE

Opic(IH)   Aug. 2025
SQL Mathematical Functions – Coursera   Dec. 2022
Retail Marketing Strategy - Coursera   Sep. 2021
Introduction of Marketing - Coursera   Aug. 2021
Market Research and Consumer Behavior - Coursera   Aug. 2021

AWARDS

Oct. 2024	**Finalist (Data Processing & Visualization**)	*Busan Metropolitan (2024 DX Challenge)*
Jul. 2023	**Excellence-Award (Computer Vision Dofbot bin packing Project)**	*POSTECH Institute of Artificial Intelligence*
Jul. 2023	**Best Servant Award (Class Leader)**	*POSTECH Institute of Artificial Intelligence*
Jul. 2023	**Best Cooperation Award (Selected by Classmates)**	*POSTECH Institute of Artificial Intelligence*
Oct. 2021	**MVP Junior Manager Award**	*Hyundai Department Store Group*
Apr. 2021	**Best Innovation Award**	*Hyundai Department Store Group*
Jal. 2018	**Top 4**: "Korea Investment & Securities Hackathon."	*Korea investment*
Jan. 2018	**Korea Top 10**: "Global student Entrepreneur Awards"	*EO*
Nov. 2017	**Excellence-Award**: "Government Job Creation Hackathon"	*Seoul Metropolitan*
Nov. 2017	**President-Award**: "Chinese Business Model Idea Hackathon"	*Konkuk univ*
May. 2017	**President-Award**: "The 4th Industrial Revolution Hackathon"	*Konkuk univ*