

# Goun Choi

Seoul, Republic of Korea

☎ (+82) 10-7195-1091 | ✉ gwcat0506@naver.com | 🌐 <https://bestlucky0506.tistory.com> | 📱 gwcat0506 | 🌐 goun-choi-48171122b

"Success is not final, failure is not fatal: It is the courage to continue that counts."

## Summary

NLP Engineer with a focus on Large Language Models (LLMs) and Multimodal data analysis. Experienced in investigating fake news detection and mental health issues through deep learning, resulting in multiple publications at conferences such as EMNLP and WWW (under review). Proven ability to apply research into practice, notably through developing LLM-based agents and data pipelines during an internship at CJ Logistics. Dedicated to building reliable AI systems that address complex real-world problems.

## Education

### Sungkyunkwan University

M.S. IN ARTIFICIAL INTELLIGENCE CONVERGENCE

Seoul, S.Korea

Feb. 2024 - Present

- Advisor: Prof. Jinyoung Han
- Research Interests: Natural Language Processing (NLP) and Large Language Models (LLMs)
- GPA: 4.38 / 4.5

### Myongji University

B.S IN CONVERGENCE SOFTWARE, DATA SCIENCE

Seoul, S.Korea

Mar. 2019 - Feb. 2024

- GPA: 3.73 / 4.5

## Publications

- (Under review) **Goun Choi** and Jinyoung Han, "HARFM-News: A Human-AI Real-Fake Multimodal Dataset for Fake News Detection", 2025.
- Migyeong Kang, **Goun Choi**, Hyolim Jeon, Ji hyun An, Daejin Choi, and Jinyoung Han, "CURE: Context and Uncertainty-Aware Mental Disorder Detection," *Proceedings of the 2024 Conference on Empirical Methods in Natural Language Processing (EMNLP)*, 2024.
- Migyeong Kang, Minhan Cho, Saejin Ju, Sihyeon Yang, Chaewon Kang, Hyunseon Won, Seoyoon Jeong, **Goun Choi**, and Jinyoung Han, "A Comparative Analysis of Reinforcement Learning Algorithms for Human Preference Alignment in Large Language Models," *Proceedings of the Korea Computer Congress (KCC)*, 2025.
- **Goun Choi**, Migyeong Kang, Jinyoung Han, and S. Shyam Sundar, "Hey GPT, Can You Tell What's Stressing Me Out? Comparing LLM's Ability to Detect Stress with Traditional ML Models," *Proceedings of the Korean Artificial Intelligence Association (KAIA) Fall Conference*, 2024.
- Sunyeup Kim\*, **Goun Choi**\*, Sunhwa Kim, Zeeshan Abbas, Jinyoung Han, and Seungwon Lee, "Cardiovascular Disease Prediction Model among Cancer Patient: multinational study from Korea and Japan," *Proceedings of the Korean Society of Medical Informatics (KOSMI) Fall Conference*, 2024.
- Janghyun Noh\*, **Goun Choi**\*, and Minsik Oh, "Prediction of In-Hospital Mortality in Acute Respiratory Distress Syndrome Patients Using MIMIC-III Data," *Journal of the Korean Institute of Information Scientists and Engineers (KIISE)*, 2023.

## Intellectual Property

### Multimodal News Authorship and Veracity Detection System

KOREA COPYRIGHT COMMISSION (REG. NO. C-2025-058049)

Dec. 2025

- Registered a software system designed to detect both the authorship and veracity of multimodal news content.
- Applicant: Sungkyunkwan University Research & Business Foundation.

## Work Experience

### INDUSTRY EXPERIENCE

## CJ Logistics

Seoul, S.Korea

AI MODEL DEVELOPMENT INTERN, AI MODEL DEVELOPMENT TEAM OF TES LAB

Aug. 2025 - Nov. 2025

- Developed an automated QC Agent for invoice text classification to refine 7,000+ logistics categories.
- Designed a data filtering pipeline to identify non-classifiable samples from noisy, short-text invoice data.
- Optimized LLM token usage by implementing an embedding-based candidate retrieval system (reducing 7,000 to top-100 candidates).
- Built an AI Agent that classifies invoice specificity into 3 confidence levels and dynamically adjusts candidate sets.
- Developed a post-processing filtering module utilizing LLM confidence scores, achieving an 8% improvement in classification accuracy.

## AhnLab, Inc.

Seongnam, S.Korea

SOFTWARE DEVELOPER INTERN, EPI DEVELOPMENT TEAM

Dec. 2020 - Jun. 2021

- Managed integrated software patches for key applications (Chrome, Edge, Office) to enhance end-user PC security.
- Automated patch data collection processes and performed stability testing in virtual environments for APM/EPM products.
- Participated in product ideation for new security management solutions within the EPI (Endpoint Protection Integration) team.

## PART-TIME JOB

### Moraenae 1-Beonji Cafe

Seoul, S.Korea

BARISTA

Feb. 2023 - Mar. 2024

- Prepared and served beverages to customers.

### Myongji University Church

Seoul, S.Korea

ADMINISTRATIVE ASSISTANT

Sep. 2019 - Dec. 2021

- Handled customer inquiries, organized documents, and assisted with year-end tax settlements.

### Bigband & Co

Seoul, S.Korea

MARKETING ASSISTANT

Aug. 2021

- Developed an automation tool for sourcing influencers for promotional activities.
- Drafted scripts for advertisement.

## ENTREPRENEURIAL EXPERIENCE

### Mommyholic(Naver Store)

Online

CO-FOUNDER

Mar. 2021 - Mar. 2022

- Developed an automated system for identifying and listing promotional products.
- Built and maintained a comprehensive product database.
- Managed the entire sales and shipping process.

## Research Projects

### Study on Self-Driving B5G Networks towards Federated Private-5G

Seoul, S.Korea

MINISTRY OF SCIENCE AND ICT (MSIT)

Dec. 2023 - Feb. 2024

- Developed AI-based time series models optimized for application in private 5G networks.

### Study on Clinical and Genetic Differences in Hyperlipidemia Patients with and without Hypertension

Seoul, S.Korea

KOREA DISEASE CONTROL AND PREVENTION AGENCY (KDCA)

Mar. 2023 - Oct. 2023

- Developed an AI model for predicting hypertension and designed time series data preprocessing algorithms to improve performance.

### Deep Learning-Based Recommender System and Transformer-Based NLP Research for Predicting Gene-Disease Associations

Seoul, S.Korea

ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE (ETRI)

Mar. 2021 - Dec. 2021

- Analyzed key types of gene-disease association prediction models and proposed future research directions.

## Teaching Experiences

### Research Assistant

Seoul, S.Korea

SUNGKYUNKWAN UNIVERSITY

Apr. 2024 - Aug. 2024

- AI Convergence Research Support Project: Development of a Cardiovascular Disease Prediction Model for Cancer Survivors Using Nationwide Healthcare Data from South Korea and Medical Data from the Kanto Region of Japan

### Teaching Assistant

Seoul, S.Korea

MYONGJI UNIVERSITY

Sep. 2022 - Dec. 2023

- HEB01102: Basic Programming II (Fall 2022 & Fall 2023)
- HED01206: Basic Web Programming (Fall 2022 & Fall 2023)
- HED01201: Data Structures (Spring 2023)
- HED01316: Advanced Web Programming (Spring 2023)

## Certificates

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- 2026 **AICE Associate (AI Certificate for Everyone)**, KT & Korea Economic Daily
- 2025 **TOEIC Speaking Intermediate Mid 3 (IM3)**, ETS / YBM
- 2022 **SQL Developer (SQLD)**, Korea Data Industry Promotion Agency
- 2022 **Advanced Data Analytics Semi-Professional (ADsP)**, Korea Data Industry Promotion Agency
- 2024 **Barista Level 1 Certification**, Korea Association of Qualification Evaluation

## Honors & Awards

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- 2019 **3rd Place**, Smart Campus Life SW Contest

Seoul, S.Korea

## Extracurricular Activity

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### Seodaemun Volunteer Group

Seoul, S.Korea

MEMBER

Apr. 2024 - Jul. 2024

- Contributed to community service initiatives, including plogging, supporting animal shelters, and tree planting to enhance urban green spaces.

### International Volunteer Group in Vietnam

Tỉnh Vĩnh Long, Vietnam

DEPUTY LEADER

Aug. 2023

- Taught scientific theories and experiments in an elementary school.
- Conducted repair work on various facilities.
- Performed Taekwondo and K-pop shows.
- [News Link](#)

### Google Developer Student Clubs in Myongji Univ

Seoul, S.Korea

MEMBER

Jul. 2022 - Present

- Operated a study group to process and analyze data.
- Participated in various algorithm competitions.

### Data Youth Campus in Yonsei Univ

Seoul, S.Korea

MEMBER

Jul. 2022 - Aug. 2022

- Worked on the project 'Recommendation of customized advertisements for Ttareungyi,' a bicycle-sharing service in Seoul.
- Responsible for data preprocessing and AI modeling.

### Myongji Love Volunteer Group

Seoul, S.Korea

CORE MEMBER

Mar. 2021 - Dec. 2021

- Completed over 60 hours of volunteer work, including supporting elderly people living alone, delivering briquettes, and helping at animal shelters.