

# Hyungjin Ahn

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in Hyungjin Ahn

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## Experience

- 2022.12 – Current **Undergraduate NLP Researcher.** ISoft Lab @ Chungnam National University
- **Authored 3 papers** about LLMs and Language Model Quantization
  - Conducted research on zero-shot/few-shot learning capabilities of LLMs
  - Investigated performance variations based on few-shot prompt distributions
  - Applied quantization techniques to Korean language models, exploring efficient ways to apply model compression
- 2022.05 – Current **Freelance Mobile application developer.** 4th place @ Republic of Korea
- Full-stack mobile application development
  - Developed and maintained an app with 5,000+ active users over several years
- 2024.05 – 2024.07 **Software Engineer Intern.** Episys Science @ United States of America
- Full-stack web application development
  - Gained proficiency in AWS infrastructure management using Terraform
  - Acquired full-stack engineering skills through hands-on projects

## Research Publications

- 1 **H. Ahn**, T. Hwang, and S. Jung, “Compressing and analyzing korean bert models using bitnet architecture with weight copy,” in *Korea Computer Congress*, 2024.
- 2 **H. Ahn**, T. Hwang, and S. Jung, “Performance analysis of few-shot example techniques utilizing similarity in classification problems based on large language models,” in *Korea Software Congress*, 2023, pp. 1785–1787.
- 3 **H. Ahn**, T. Hwang, and S. Jung, “Utilizing large language models for non-trained binary sentiment classification,” in *Annual Conference on Human and Language Technology*, 2023, pp. 66–71.

## Education

- 2019.03 – Current **Bachelor’s Degree. Computer Convergence, Chungnam National University**
- GPA: 4.39/4.5 (major: 4.5/4.5) (July 2024)
  - **Ranked 1st** among 196 prospective graduates (July 2024)




## Skills

- English **TOEIC 875.** Attended 2-month 2024 International AI Startup Program in Irvine, CA. Completed 1-week short-term training in San Francisco, CA.
- NLP **Large Language Models.** Transformer architecture. Language Model Quantization.
- RL and Robot **Gymnasium.** Stable-baselines3. ROS2. PyBullet. Gazebo.
- Coding **Extensive experience** leading to exceptional code implementation skills. Python, Dart, C++,  $\LaTeX$ , ...

## Miscellaneous Experience

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### Awards and Achievements

- 2024.07  **Chief of Naval Operations Award** in **TOPCIT** (Test of Practical Competency in IT)
  - A comprehensive evaluation of practical ICT skills and competencies
  - Awarded by IITP
- 2024.06  **Excellence Award**, Chungnam National University Project Fair
  - Topic: AI-based Binary Lifting for Static Program Analysis
  - Enhancing binary lifting (binary → LLVM IR) performance utilizing Deep Learning
- 2023 – 2024  **National Scholarship (Science and Engineering)**, Ministry of Science and ICT
  - Full scholarship

### Certifications and Exam scores

- 2024.06  **TOEIC: 875**
- 2024.05  **TOPCIT: 692 (level 4)**
- 2023.07  **SQLD** (SQL Developer)