WOOKJE HAN

gksdnrwpk@snu.ac.kr ◇ +82-10-9998-1104

RESEARCH INTEREST

- Natural Language Processing, Artificial Intelligence, Machine Learning

PUBLICATION

- **Wookje Han**, TaeHyun Lee, Hyeonmin Ha, Byung-Gon Chun. "A Survey on Memory Optimization Techniques and Frameworks for Training Large Language Models." *Korea Software Congress (2022)*

- Kyungjae Lee, **Wookje Han**, Seung-Won Hwang, Hwaran Lee, Joonsuk Park and Sang-Woo Lee. "Plug-and-Play Adaptation for Continuously-updated QA." *Findings of ACL (2022)*.

EDUCATION

Seoul National University (SNU)	Mar 2017 - Aug 2023(Expected)
Major: Computer Science and Engineering	GPA: 4.0/4.3 (Major: 3.99/4.3)

RESEARCH EXPERIENCE

Undergraduate Research Assistant SNU Software Platform Lab   Dec 2021 - Current
Advisor: **Prof. Byung-Gon Chun**, *Department of Computer Science and Engineering SNU*

- Designed an algorithm for automatically generating task descriptions for in-context learning
- Designed tools for 3D parallelization of large–scale Language Models

Undergraduate Research Assistant SNU Language and Data Intelligence Lab   Jul 2021 - Dec 2021
Advisor: **Prof. Seung-won Hwang**, *Department of Computer Science and Engineering SNU*

- Trained Bert for Multi-Hop QA by decomposing complicated questions to sub-questions.
- Applied additional adapter for continual update of knowledge in Language Models

Undergraduate Research Assistant SNU Programming Research Lab   Sep 2019 - Dec 2019
Advisor: **Prof. Kwangkeun Yi**, *Department of Computer Science and Engineering SNU*

- Built a static analyzer for checking program safety

WORK EXPERIENCE

Software Engineer Intern Samsung Electronics   Suwon, Korea
MX Mobile AI Server Team   Jul 2019 - Aug 2019

- Built Backend server for AI assistant: Bixby

HONORS AND AWARDS

Academic excellence scholarship	SNU, 2018, 2019, 2022
Dean's list	Boeing Korea, 2022

TEACHING

Undergraduate Teaching Assistant, Computer Architecture	SNU Fall 2022
Undergraduate Student Tutor, Computer Programming	SNU Fall 2022

SKILLS

Programming Languages: C, C++, Python, Java, Ocaml, Verilog
Frameworks: PyTorch, PyTorch-Lightning, Pandas, Matplotlib
Tool: Git, LaTeX

EXTRACURRICULAR ACTIVITIES

Club Activities
Guardian Club   Mar 2018 - Dec 2021

- SNU student security research group

Military Service
Republic of Korea Army   Chuncheon, Korea

- Served national military duty as an Information & Operation Assistant at the Chuncheon Hospital   Jan 2020 - Jul 2021