Heechan Yang

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EDUCATION

B.S in Computer Science and Engineering March 2018 – Aug 2023

Handong Global University (HGU), South Korea

- Major: Artificial Intelligence, Computer Science and Engineering
- GPA: 3.71 / 4.5
- GPA (Major): 3.8 / 4.5

RESEARCH EXPERIENCE

Advancing Reliability, Safety & Security in Software Engineering (ARISE Lab) Dec 2022 – Present
Undergraduate Internship

- Source Code Embedding using CodeBERT
- Working on analyzing source code through clustering using embeddings from CodeBERT

Advancing Reliability, Safety & Security in Software Engineering (ARISE Lab) Dec 2021 – Dec 2022
Capstone Design

- Developed Neural Language Model-based Code Mutation Generating Tool for C/C++ Program Testing
- Developed Neural Language Model-based Text Editing Tool for OCR Result of Unstructured Children Education Materials
- Used Pytorch for developing Neural Network Models
- Used React for developing interface for Code Mutation Generating Tool

WORK EXPERIENCE

Office of the United Nations High Commissioner Human Rights Sep 2022 – Dec 2022
Internship: Program Support and Management Services

- Developed a software to increase mobility of working places around staff members of the United Nations

PUBLICATIONS

Domestic conference paper

- E. Ahn, **H. Yang**, E. Jee, S. Hong, A Neural Language Model-based Text Editing Tool for OCR Result of Unstructured Childhood Education Materials, Korean Software Conference (KSC), Dec 2022 (**Undergraduate student research competition award**)

TEACHING ASSISTANT

Object-Oriented Design Pattern (OODP) March 2021 – June 2021

- Assist Professor with examining student assignments

Introduction to Software Jan 2021 – Feb 2021

- Assist Professor with examining student assignments

LEADERSHIP EXPERIENCE

President of CSEE Department (Undergraduate) Jan 2022 – June 2022

School of Computer Science and Electrical Engineering

- Manage student council, events, and financials

Vice-president of School Department Organization   Jan 2022 – June 2022

Student Council of Presidents and Vice-president from each School Departments
- Manage student council, events, and financials

Vice-president of CSEE Department (Undergraduate)   July 2021 – Dec 2022

School of Computer Science and Electrical Engineering
- Manage student council, events, and financials

AWARDS & SCHOLARSHIPS

Handong Global University, CSEE

Academic excellence scholarship (upper 15%).   Jan 2023

Korean Software Congress (KSC), KIISE

Undergraduate Student Research Competition, Bronze Award (장려상)   Feb 2023

ON-CAMPUS ACTIVITIES

Software Education   Sept 2022 – Dec 2022

Social Service
- Conducted Arduino with Smart-Farm project for high school students

Impromptu 2AM (Jazz Band)   March 2018 – Jun 2018

School Circle
- Performed concerts (bass guitar)

SKILLS & TECHNIQUES

English Score: TOEIC – 935 (Jan 2022)