JAEHO BAE

Bechelor of Computer Science
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EDUCATION

Handing Global University (HGU), Pohang, South Korea   Mar. 2017 ~ Present

Double Major in Computer and Electronic Engineering

GPA: 3.07/4.5

ACADEMIC EXPERIENCE

Researcher

1. ISEL (Intelligent Software Engineering Lab), HGU   Jan. 2022 ~ Dec. 2023

PUBLICATIONS

Published or Accepted:

1. Survey on Security Vulnerability Detection Techniques Based on Bytecode Analysis   09. Feb. 2023

    2023 Korea Conference on Software Engineering

Under review or In preparation:

2. ByCoBERT: Vulnerability Prediction Based on Bytecode Pre-trained Model   Decision in Progress

    KIISE KTCP

3. Detecting Security Vulnerabilities Using a GPT Model   Decision in Progress

    KIISE JOK

WORK EXPERIENCE

Teaching Assistant

1. Introduction to Artificial Intelligent Project, HGU   Mar. 2024 ~ Jun. 2024
2. Coding Hour Mentoring, HGU   Mar. 2023 ~ Jun. 2024
3. Java Programming, HGU   Mar. 2023 ~ Dec. 2023
4. Introduction to Computer and Electronic Engineering, HGU   Mar. 2022 ~ Jun. 2022
5. Introduction to Philosophy, HGU   Sep. 2021 ~ Dec. 2021

LEADERSHIP

General Affairs

Linux Hackers (Computer Science Club), HGU   Mar. 2022 ~ Jun. 2022

ACTIVITIES

Club

1. Linux Hackers (Computer Science Club), HGU   Aug. 2021 ~ Jun. 2022
2. Hanmajiro (Judo Club), HGU   Mar. 2018 ~ Jun. 2024

PROJECTS

1. CIMS Project
   CCTV integrated management system using Wifi-HaLow and gRPC Dec. 2023 ~ Feb. 2024
2. ByCoBERT
   Project-level vulnerability prediction using BERT pre-trained by Java Bytecode Dec. 2022 ~ Dec. 2023
3. mvnCrawler
   Crawling the opensource projects from maven repository for ByCoBERT Dec. 2022 ~ Dec. 2023
4. VIChecker
   File-level vulnerability detection tool using Generative AI in opensource projects Jun. 2023 ~ Sep. 2023
5. Sign Language Translator Service
   Recognize and translate the sign language using YoLo4   Jan. 2023 ~ Jun. 2023
6. BLAP Web Service
   Efficient budget management web for achieving your bucket list Dec. 2021 ~ Mar. 2022

AWARD

Coding Hour Best TA Awards
Excellence Award   28. Jan. 2023

The 34th Capstone Festival 'Capstone 2' Awards
Best Award   30. Nov. 2022

The 25th KCSE Best Undergraduate Paper Awards
Best Award   09. Feb. 2023

CERT Excellence Soldier
Excellence Award   30. Nov. 2022

Coding Competition for Freshman Awards
Bronze Award   30. Nov. 2017

LANGUAGE

Korean (Native)

English (Medium)

TOEIC: 760 (2023.10.14)

SKILLS

Language Skill

C/C++(Skillful), Java(Skillful), Python(Skillful)

Framework Skill

Springboot(Skillful), Visual Studio Code(Expert), Visual Studio(Skillful)

Certification

ISTQB CTFL