Sechang Jang

Korea Advanced Institute of Science and Technology
School of Computing
291 Daehak-ro, Yuseong District, Daejeon, Republic of Korea
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GitHub: https://github.com/newwin01

EDUCATION

Korea Advanced Institute of Science and Technology   February 2025 – Present

Master's Student at the School of Computing

Handong Global University   February 2019 – February 2025

Bachelor of Science in Artificial Intelligence Computer Science and Engineering, Summa Cum Laude
(Total GPA: 4.3/4.5, Major GPA: 4.34/4.5)

Publications

Seongbin Kim, **Sechang Jang**, Jindae Kim and Jaechang Nam, **EnCus: Customizing Search Space for Automated Program Repair**, the 18th IEEE International Conference on Software Testing, Verification and Validation (ICST 2025, Short Papers, Vision and Emerging Results), March 31 - April 4.

Sechang Jang, Seongbin Kim, Junhyeok Choi, Jindae Kim, and Jaechang Nam, **SPI: Similar Patch Identifier for Automated Program Repair,** Journal of KIISE, JOK, Vol. 52, No. 2, pp.152-160, 2025. 2.

Sechang Jang, Junhyeok Choi, Seongbin Kim, Jindae Kim, Jaechang Nam, **SPI: Similar Patch Identifier for Automated Program Repair,** Korea Computer Congress (KCC), June 26-28, Jeju **(Best paper award)**

EXPERIENCE

Capstone Project: Similar Patch Identifier for Automated Program Repair
Sep 2023 – Jun 2024

Undergraduate research intern
ISEL (Intelligent Software Engineering Lab)   Dec 2022 – Dec 2024

Human Resource Specialist
142nd Military Policy Company, 94th Military Battalion, 19th Expeditionary Sustainment Command
Mar 2020 – Sep 2021

AWARDS AND HONORS

Best Paper Award, Korea Computer of Congress (KCC), KIISE
Jun 2024

Excellent TA award

Spring 2023, Fall 2023

Army Achievement Medal

Sep 2021

TEACHING EXPERIENCE

Teaching Assistant
Handong Global University
Programming Language Theory (Instructor: Prof. Nam Jaechang – English Section)   Fall 2024

Teaching Assistant
Handong Global University
Data Structure (Instructor: Prof. Nam Jaechang – Korean Section: Block Plan)   Spring 2024

Teaching Assistant
Handong Global University
Java Programming Language (Instructor: Prof. Nam Jaechang – Korean Section: Block Plan)   Spring 2024

Teaching Assistant
Handong Global University
Java Programming Language (Instructor: Prof. Nam Jaechang – Korean Section)   Fall 2023

Teaching Assistant
Handong Global University
Java Programming Language (Instructor: Prof. Nam Jaechang – English Section)   Spring 2023

SCHOLARSHIPS

National Science & Technology Scholarship, from Korea Student Aid Foundation (KOSAF)
Feb 2023 – Feb 2025

Academic Excellence Scholarship, Handong Global University, from Handong Global University
Spring 2022, Fall 2022, Spring 2023, Spring 2024, Fall 2024

Projects

Wireless Gamepad using LED Matrix and nRF52840 Development Kit
Mar 2024 – Jun 2024

Handong Team Meeting Archiving and Exchange Web Platform
Mar 2024 – Jun 2024

Advanced programming practice with low-level file system structural analysis (with GMD Soft)
Jan 2024

Languages

Korean (Native)

English (Proficient)
- TOEIC: 925
- Served as Korean Augmentation To the United States Army (KATUSA): 1 year and 4 months

TECHNICAL SKILLS

Programming Skills
- Java
- C/C++
- Python
- Racket
- Scala
- SQL