Seongjin Kim

LinkedIn | GitHub

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RESEARCH INTERESTS

Security, Open-Source Contribution, Web Programming

EXPERIENCE

Penn State College of IST   Jan 2024 – Jan 2025
Research Assistant/Associate   *Westgate Building, University Park, PA 16802*

- Security research of DDS, RTPS Protocol, LLVM, Embedded Software

SW Maestro   June 2022 – Dec 2022
13rd Trainee   *311, Teheran-ro, Gangnam-gu, Seoul, Republic of Korea*

- Project planing and development for 6 months as a team of 3 people
- Development of web application about online study management service with online real time communication

EDUCATION

Kwangwoon University   Seoul, Korea
Major in Information Engineering, Bachelor of Science in Computer Engineering. GPA 4.05/4.5   *Feb 2019 – Present*

HONORS AND AWARDS

Topcit 20th Chief of the Defence Staff award, IITP, 2023

Topcit 20th Presidential award, Kwangwoon University, 2023

KISA Whitehat Together Season 2, 3rd prize, IITP, 2023

OSSCA Open Source Contribution Academy Mentee 2nd prize - uftrace, IITP, 2023

Topcit 19th Presidential award, Kwangwoon University, 2023

Magna Cum Laude(Chambit) Scholarship, Kwangwoon University, 2023

Topcit 18th Presidential award, Kwangwoon University, 2022

Software Competence Excellence Scholarship, Kwangwoon University, 2019, 2022

Wooribank Penetration testing Competetion (WooriCON) 3rd Prize, 2022

Excellence Award in Ministry of National Defense Start-Up Challange, Republic of Korea Ministry of National Defense, 2021

PROJECTS (SECURITY RESEARCH)

Naver Bug Bounty   2022 – 2023
Naver

- Found 3 Unique vulnerability

Kakao Bug Bounty   2023
Kakao

- Found 2 Unique vulnerability

KISA Whitehat Together   2023
KISA, FindtheGap

- Found 8 Unique vulnerability, includes XSS / Pararmeter Manipulation / File Upload

FindtheGap X-MAS CTB
FindtheGap

2023

- Found 7 Unique vulnerability, include SQL Injection)

Dreamhack Bug Bounty
PatchDay

2023

- Found 1 Unique vulnerability

CVE - Gnuboard g6
Gnuboard

2024

- [CVE-2024-24156] Stored XSS in writing reply via wr_content parameter
- [CVE-2024-24157] Stored XSS in writing board via wr_content parameter

CVE - FastDDS
eProisma

2024

- [CVE-2024-30258] DoS when publisher send malformed packet
- [CVE-2024-30259] Heap buffer overflow when publisher send malformed packet

PROJECTS (DEVELOPMENT)

Backtest Toolkit - Stock Signal Backtest Tool
DS Lab, Kwangwoon Univ.

Jan 2023 – Jun 2023

- Develop Backtest Algorithm and Visualize Backtest result
- Develop service with Vue, Django Rest Framework, Deploy service with Docker, Github Workflow
- Project management with Notion, Slack

StudyFlow - Online Study Management Service
SW Maestro

June 2022 – Dec 2022

- Development of web application about online study management service with online real time communication
- Develop service with React, Express, Deploy service with AWS amplify, EC2, Github Workflow
- Project management with Jira, Git

klas-helper
KW Open Source Group

Oct 2021 – Now

- Development/Maintenance for 3 years as a Open source Contributor
- Development of an extension program that revamped the LMS system within the university
- Average DAU: 8,400 (80% of Active University student)
- Project management with Github Issue / Pull Request

CERTIFICATIONS

- Oct. 2022 **TOPCIT**, Level 3 (635)

- Oct. 2023 **TOPCIT**, Level 4 (733)