Songhyun Bae
Security Researcher, Developer

INFO

Email: baesonghyun91@gmail.com
Blog: bshyuunn.github.io
Web3 Portfolio: bshyuunn-portfolio

Github: bshyuunn
Twiiter: @bshyuunn

EDUCATION

Korea University
Undergraduate Student
- Bachelor of Cyber Defense

Seoul, South Korea
March 2024 –

Daejeon Daeshin High School
High School, Graduated

Daejeon, South Korea
March 2021 – February 2024

WORK EXPERIENCE

HashLock, Smart Contract Auditor | Self-Employed
Auditing Solidity, Vyper, and other Web3 smart contracts for high-severity vulnerabilities.

Remote
August 2025 – Present

ACTIVITIES

Participant, Web3 Audit Contests
Found 20H+ / 20M+ vulnerabilities across various Web3 auditing contests [Audit portfolio]

Remote
December 2024 – Present

CyKor, 2025 Spring Recruit CTF Operation
Authored two Web3 Challenges [chal-1] [chal-2]

Seoul, South Korea
March 2025

OnlyPwner Wargame 15th Place
A wargame focused on the security aspects of Ethereum and EVM smart contracts

Remote
November 2024

Participant, KISA Hunting Master 1st Cohort
Fuzzing and Vulnerability Detection for Software

Seoul, South Korea
May – June 2024

Participant, Stealien SSL Program 3rd Cohort
Web-Based 0/1-Day Semiautomation Analysis and Plugin Development

Seoul, South Korea
October 2023 – February 2024

Participant, KITRI WhiteHat School 1st Cohort
Automation and Enhancement of Exploit Generation Using NLP

Seoul, South Korea
September 2023 – May 2024

SPEACH

27th <u>Hacking Camp</u> by <u>Poc Security</u>
Hacking with AI: Try Web Hacking with Reinforcement Learning

Seoul, South Korea
August 2023

<u>Blockchain Valley</u> — Security Team Workshop
Web3 Security: Smart-Contract Threats & Hands-on Labs

Seoul, South Korea
March – June 2025

<u>KISA Hunting Master</u> 2nd Cohort — Special Lecture
Getting Started with Smart-Contract Audits Contest

Seoul, South Korea
Aug 2025

DISCLOSED BUG

Web3, Immunefi

<u>Toucan</u> Protocol
- [Private] (Medium)
- [Private] (Medium)
- [Private] (Low)

System & Software

Apple
- CoreMedia Playback – Denial of Service (<u>CVE-2025-24184</u>)

NASA
- <u>CryptoLib</u> – Heap Overflow (<u>CVE-2025-30216</u>) [<u>Report</u>]

<u>Bandiview</u>
- JXR File Parser – Denial of Service (<u>CVE-2024-45870</u>)
- PSD File Parser – Denial of Service (<u>CVE-2024-45871</u>)
- PSD File Parser – Stack Buffer Overflow (<u>CVE-2024-45872</u>)

Others
- <u>hauri virobot</u> – DLL Hijacking (KVE-2024-0395)
- <u>sga viruschaser</u> – DLL Hijacking (KVE-2024-0410)
- <u>PDFio TTF parser</u> – Denial of Service (<u>CVE-2024-42358</u>) [<u>Report</u>]

Web

Wordpress Plugin
- wpView Plugins – Stored XSS (<u>CVE-2023-33213</u>)
- <u>Simple File List Plugin</u> – Stored XSS (<u>CVE-2023-39924</u>)
- Fast Custom Social Share by CodeBard Plugin – Stored XSS (<u>CVE-2023-48329</u>)
- <u>Icons Font Loader Plugins</u> – Arbitrary File Upload (<u>CVE-2024-24714</u>)

AWARD

CTF (Capture The Flag)

10th, LakeCTF Quals 24-25 (with CyKor)	2024
50th, SECCON CTF 13 Quals (with CyKor)	2024
Finalist, CODEGATE Junior	2023
Finalist, White Hat Contests Junior	2023
Finalist, WACON Junior	2023
Finalist, CCE (Cyber Conflict Exercise) Junior	2023
1st, Chungcheong Youth Hacking Defense Competition	2022
Finalist, CCE (Cyber Conflict Exercise) Junior	2022
4th, KOSPO Service Security Competition (Youth Division)	2022

Development & Algorithms

- 3rd, e-ICON World Contest   2022
- 1st, Cyber Security Hackathon   2024
- 2nd, Korea Code Fair Hackathon   2022

Artificial Intelligence

- 1st, AI Autonomous Exploration Performance Contest   2021
- 4th, K-ICT, Data Creator Camp   2022
- 1st, Kyungwoon, Intelligent Mobility SW Competition (AI)   2023