Insu Yun

Associate Professor (Untenured) School of Electrical Engineering, Korea Advanced Institute of Science and Technology (KAIST)

Email: insuyun@kaist.ac.kr Web: https://insuyun.github.io

Research Interests

System security, software security, binary analysis, fuzzing, and applied cryptography.

Education

Georgia Institute of Technology

Aug. 2015 – Dec. 2020

Ph.D. in Computer Science Advisor: Dr. Taesoo Kim

Korea Advanced Institute of Science and Technology (KAIST)

Sep. 2008 – Feb. 2015

B.S. in Computer Science & Mathematics

Work Experience

KAIST, Daejeon, South Korea

Feb. 2021 -

Assistant Professor

Microsoft Research, Research Intern, Seattle, WA

May. 2017 – Aug. 2017

Contributed to REPT, a system that utilizes Intel Processor Trace to diagnose production failures

Mentor: Weidong Cui

Georgia Tech, Research Assistant, Atlanta, GA

Aug. 2015 - Dec. 2020

Korean Cyber Command, Software Developer, Seoul, Korea

Apr. 2012 – Jan. 2014

Served for the mandatory military service

Publications

International Conferences (Top-tier and others)

1. CROSS-X: Generalized and Stable Cross-Cache Attack on the Linux Kernel (to appear)

Dongok Kim*, Juhyun Song*, and Insu Yun

Proceedings of the 32nd ACM Conference on Computer and Communications Security (CCS 2025)

Taipei, Taiwan, October 2025

2. Windows plays Jenga: Uncovering Design Weaknesses in Windows File System Security (to appear)

Dong-uk Kim*, JunYoung Park*, Sanghak Oh, Hyoungshick Kim, and Insu Yun

Proceedings of the 32nd ACM Conference on Computer and Communications Security (CCS 2025)

Taipei, Taiwan, October 2025

3. LLFuzz: An Over-the-Air Dynamic Testing Framework for Cellular Baseband Lower Layers

Tuan Dinh Hoang, Taekkyung Oh, CheolJun Park, Insu Yun, and Yongdae Kim

Proceedings of the 34th USENIX Security Symposium (Security 2025)

Seattle, WA, August 2025

4. Too Much of a Good Thing: (In-)Security of Mandatory Security Software for Financial Services in South Korea

Taisic Yun, Suhwan Jeong, Yonghwa Lee, Seungjoo Kim, Hyoungshick Kim, **Insu Yun**, and Yongdae Kim Proceedings of the 34th USENIX Security Symposium (Security 2025)
Seattle, WA, August 2025

5. FirmState: Bringing Cellular Protocol States to Shannon Baseband Emulation

Suhwan Jeong, Beomseok Oh, Kwangmin Kim, **Insu Yun**, Yongdae Kim, and CheolJun Park Proceedings of the 18th ACM Conference on Security and Privacy in Wireless and Mobile Networks (WiSec 2025) Arlington, VA, June 2025

6. Automated Attack Synthesis for Constant Product Market Makers

Sujin Han, Jinseo Kim, Sung-Ju Lee, and Insu Yun

Proceedings of the ACM SIGSOFT International Symposium on Software Testing and Analysis 2025 (ISSTA 2025) Trondheim, Norway, June 2025

7. Bridging the Gap between Real-World and Formal Binary Lifting through Filtered-Simulation (to appear)

Jihee Park, Insu Yun, and Sukyoung Ryu

Proceedings of the ACM SIGPLAN International Conference on Object-Oriented Programming, Systems, Languages, and Applications 2025 (OOPSLA 2025)

Singapore, October 2025

8. RGFuzz: Rule-Guided Fuzzer for WebAssembly Runtimes

Junyoung Park, Yunho Kim, and Insu Yun

Proceedings of the 46th IEEE Symposium on Security and Privacy (Oakland 2025)

San Francisco, CA, May 2025

9. BaseComp: A Comparative Analysis for Integrity Protection in Cellular Baseband Software

Eunsoo Kim*, Min Woo Baek*, CheolJun Park, Dongkwan Kim, Yongdae Kim, and **Insu Yun** Proceedings of the 32nd USENIX Security Symposium (Security 2023)

Anaheim, CA, August 2023

10. QueryX: Symbolic Query on Decompiled Code for Finding Bugs in COTS Binaries

HyungSeok Han, JeongOh Kyea, Yonghwi Jin, Jinoh Kang, Brian Park, and Insu Yun

Proceedings of the 44th IEEE Symposium on Security and Privacy (Oakland 2023)

San Francisco, CA, May 2023

11. Fuzzing@Home: Distributed Fuzzing on Untrusted Heterogeneous Clients

Daehee Jang, Ammar Askar, Insu Yun, Stephen Tong, Yiqin Cai, and Taesoo Kim

Proceedings of the 2022 International Symposium on Research in Attacks, Intrusions and Defenses (RAID 2022) October 2022

12. DoLTEst: In-depth Downlink Negative Testing Framework for LTE Devices

CheolJun Park*, Sangwook Bae*, BeomSeok Oh, Jiho Lee, Eunkyu Lee, **Insu Yun**, and Yongdae Kim Proceedings of the 31th USENIX Security Symposium (Security 2022)

Boston, MA, August 2022

(Acceptance rates: 18%, 256/1414)

13. HardsHeap: A Universal and Extensible Framework for Evaluating Secure Allocators

Insu Yun, Woosun Song, Seunggi Min, and Taesoo Kim

Proceedings of the 28th ACM Conference on Computer and Communications Security (CCS 2021)

Seoul, South Korea, November 2021

(Acceptance rates: 22%, 196/880)

14. Preventing Use-After-Free Attacks with Fast Forward Allocation

Brian Wickman, Hong Hu, **Insu Yun**, Daehee Jang, JungWon Lim, Sanidhya Kashyap, and Taesoo Kim Proceedings of the 30th USENIX Security Symposium (Security 2021)

Vancouver, B.C., Canada, August 2021 (Acceptance rates: 19%, 246/1316)

15. BaseSpec: Comparative Analysis of Baseband Software and Cellular Specifications for L3 Protocols

Eunsoo Kim*, Dongkwan Kim*, Cheoljun Park, Insu Yun, and Yongdae Kim

Proceedings of the 2021 Annual Network and Distributed System Security Symposium (NDSS 2021)

February 2021

(Acceptance rates: 15%, 87/578)

16. Automatic Techniques to Systematically Discover New Heap Exploitation Primitives

Insu Yun, Dhaval Kapil, and Taesoo Kim

Proceedings of the 29th USENIX Security Symposium (Security 2020)

Boston, MA, August 2020

(Acceptance rates: 16%, 157/977)

17. Fuzzing JavaScript Engines with Aspect-preserving Mutation

Soyeon Park, Wen Xu, Insu Yun, Daehee Jang, and Taesoo Kim

Proceedings of the 41st IEEE Symposium on Security and Privacy (Oakland 2020)

San Francisco, CA, May 2020 (Acceptance rates: 12%, 104/841)

Nominated as a finalist in CSAW Best Applied Research Paper Award 2020

18. REPT: Reverse Debugging of Failures in Deployed Software

Weidong Cui, Xinyang Ge, Baris Kasikci, Ben Niu, Upamanyu Sharma, Ruoyu Wang, and Insu Yun (alphabetical)

Proceedings of the 13th USENIX Symposium on Operating Systems Design and Implementation (OSDI 2018)

Carlsbad, CA, October 2018 (Acceptance rates: 18%, 47/257)

Jay Lepreau Best Paper Award (3 out of 257 submissions)

19. QSYM: A Practical Concolic Execution Engine Tailored for Hybrid Fuzzing

Insu Yun, Sangho Lee, Meng Xu, Yeongjin Jang, and Taesoo Kim

Proceedings of the 27th USENIX Security Symposium (Security 2018)

Baltimore, MD, August 2018 (Acceptance rates: 19%, 100/524)

Distinguished Paper Award (5 out of 524 submissions)

20. CAB-Fuzz: Practical Concolic Testing Techniques for COTS Operating Systems

Su Yong Kim, Sangho Lee, Insu Yun, Wen Xu, Byoungyoung Lee, Youngtae Yun, and Taesoo Kim

Proceedings of the 2017 USENIX Annual Technical Conference (ATC 2017)

Santa Clara, CA, July 2017 (Acceptance rates: 21%, 60/283)

21. APISan: Sanitizing API Usages through Semantic Cross-checking

Insu Yun, Changwoo Min, Xujie Si, Yeongjin Jang, Taesoo Kim, and Mayur Naik

Proceedings of the 25th USENIX Security Symposium (Security 2016)

Austin, TX, August 2016

(Acceptance rates: 16%, 72/463)

Nominated as a finalist in CSAW Best Applied Research Paper Award 2016

22. HDFI: Hardware-Assisted Data-Fow Isolation

Chengyu Song, Hyungon Moon, Monjur Alam, **Insu Yun**, Byoungyoung Lee, Taesoo Kim, Wenke Lee, and Yunheung Paek

Proceedings of the 37th IEEE Symposium on Security and Privacy (Oakland 2016)

San Jose, CA, May 2016

(Acceptance rates: 13%, 55/413)

23. Analyzing Security of Korean USIM-based PKI Certificate Service

Shinjo Park, Suwan Park, Insu Yun, Dongkwan Kim, and Yongdae Kim

Proceedings of the 15th International Workshop on Information Security Applications (WISA 2014)

Jeju Island, Korea, August 2014

24. Kargus: A Highly-scalable Software-based Intrusion Detection System

Muhammad Jamshed, Jihyung Lee, Sangwoo Moon, **Insu Yun**, Deokjin Kim, Sungryoul Lee, Yung Yi, and KyoungSoo Park

Proceedings of the 19th ACM Conference on Computer and Communications Security (CCS 2012)

Raleigh, NC, October 2012 (Acceptance rates: 19%, 81/426)

International Journal

25. Scalable and Secure Virtualization of HSM with ScaleTrust

Juhyeng Han, **Insu Yun**, Seongmin Kim, Taesoo Kim, Sooel Son, and Dongsu Han

IEEE/ACM Transactions on Networking (ToN)

November 2022

Other Refereed Materials

26. From the Vulnerability to the Victory: A Chrome Renderer 1-Day Exploit's Journey to v8CTF Glory

Haein Lee, and Insu Yun

TyphoonCon 2024

Seoul, Korea, May 2024

27. One shot, Triple kill: Pwning all three Google kernelCTF instances with a single 1-day Linux vulnerability

Dongok Kim, Seunghyun Lee, and Insu Yun

POC 2023

Seoul, Korea, November 2023

28. Compromising the macOS kernel through Safari by chaining six vulnerabilities

Yonghwi Jin, Jungwon Lim, Insu Yun, and Taesoo Kim

Black Hat USA Briefings (Black Hat USA 2020)

Las Vegas, NV, August 2020

29. AVPASS: Leaking and Bypassing Antivirus Detection Model Automatically

Jinho Jung, Chanil Jeon, Max Wolotsky, Insu Yun, and Taesoo Kim

Black Hat USA Briefings (Black Hat USA 2017)

Las Vegas, NV, July 2017

Thesis

30. Concolic Execution Tailored for Hybrid Fuzzing

Insu Yun

Ph.D. thesis, Georgia Institute of Technology

Atlanta, GA, December 2020

Professional Activities

Technical Program Committee (International)

Program Committee, The International Conference on Cryptology and Network Security (CANS), 2025

Program Committee, Network and Distributed System Security Symposium (NDSS), 2025

Program Committee, Network and Distributed System Security Symposium (NDSS), 2024

Program Committee, IEEE Symposium on Security and Privacy (Oakland), 2024

Program Committee, ACM Conference on Security and Privacy in Wireless and Mobile Networks (WiSec), 2023 Program Committee, ACM Conference on Security and Privacy in Wireless and Mobile Networks (WiSec), 2022

Journal Editor (International)

Associate Editor, ACM Transaction on Storage (ToS), 2024

Others (International)

Organization Committee, ACM Conference on Security and Privacy in Wireless and Mobile Networks (WiSec), 2024

Artifact Evaluation Committee, ACM Conference on Computer and Communications Security (CCS), 2023

Artifact Evaluation Committee, USENIX Security Symposium (Security), 2023

Organization Committee, ACM Conference on Computer and Communications Security (CCS), 2021

Domestic Activities

Advisory Boards, HackTheon Sejong, 2024

Organization Committee, Conference on Information Security and Cryptography Summer (CISC-S), 2021

Teaching Experience

Advanced Programming Techniques for Electrical Engineering (EE309 at KAIST)	Fall 2024
Information Security Laboratory (IS521 at KAIST)	Fall 2024
Software Hacking Theory and Practice (EE517 at KAIST)	Spring 2024
• Evaluation – Average: 4.92 / 5	
Advanced Programming Techniques for Electrical Engineering (EE309 at KAIST)	Fall 2023
• Evaluation – Average: 4.57 / 5	
Software Hacking Theory and Practice (EE517 at KAIST)	Spring 2023
• Evaluation – Average: 4.54 / 5	
Programming Structures for Electronical Engineering (EE209 at KAIST)	Fall 2022
• Evaluation – Average: 4.65 / 5	
Software development environment and tools practice (EE485-A at KAIST)	Fall 2022
• Evaluation – Average: 4.43 / 5	
Software Security (EE595-B at KAIST)	Spring 2022
• Evaluation – Average: 5 / 5	
Programming Structures for Electronical Engineering (EE209 at KAIST)	Fall 2021
• Evaluation – Average: 4.34 / 5	
Software development environment and tools practice (EE485-A at KAIST)	Fall 2021
• Evaluation – Average: 4.34 / 5	
Software Security (EE595-B at KAIST)	Spring 2021
• Evaluation – Average: 4.9 / 5	

Honors & Awards

Jay Lepreau Best Paper Award, USENIX OSDI 2018

KAIST Feb. 2025
Dec. 2024
Oct. 2024
Feb. 2024
July. 2023
Sep. 2021

Aug. 2018

Distinguished Paper Award, USENIX Security 2018	Aug. 2018
Hacking competitions	
DEFCON 26 CTF, 1st place (Team DEFKOR00T)	Aug. 2018
DEFCON 24 CTF, 3rd place (Team DEFKOR)	Aug. 2016
DEFCON 23 CTF, 1st place (Team DEFKOR)	Aug. 2015
Whitehat contest 2014, 1st place (Team SysSec)	Nov. 2014
DEFCON 22 CTF, 10th place (Team GoN)	Aug. 2014
SECCON CTF 2014, 1st place (TOEFL Beginner)	Feb. 2014
Codegate CTF 2012, 3rd place (Team GoN)	Apr. 2012
Secuinside CTF, 3rd place (Team GoN)	Oct. 2011
ISEC CTF, 1st place (Team GoN)	Sep. 2011
DEFCON 18 CTF, 3rd place (Team GoN)	Aug. 2010
Codegate CTF 2010, 5th place (Team GoN)	Apr. 2010
KISA HDCON, Gold Medal, 2nd place (Team GoN)	May 2009
Codegate CTF 2009, 4th place (Team GoN)	Apr. 2009
Scholarships	
National Research Foundation of Korea Scholarship for Undergraduate	Mar. 2008 – Dec. 2013
Others	
DARPA AIxCC, 1st place (Team Atlanta), \$4M award	Aug. 2025
Cyber Security Challenge, 2nd place (Team HackingLab), \$400K research grant	2023
DARPA Cyber Grand Challenge, Finalist (Team Disekt)	Aug. 2016
KISA Bug Bounty Program's Hall of Fame	2013
Vulnerability Discovery Reward (aka Bug bounty)	
To summarize, \$244.6K (by my students) and \$92.8K (by myself) bug bounties are	awarded so far.
By my students	
Pwn2Own - Microsoft Edge and Google Chrome (\$145K), ZDI, by SeunHyun Lee	Mar. 2024
v8CTF - CVE-2023-6702 (\$10K), Google, by Haein Lee	Jan. 2024
kernelCTF - CVE-2023-3390 (\$67.8K), Google, by Dongok Kim and SeunHyun Lee	Oct. 2023
Type confusion in V8 (\$7K), Google, by Haein Lee	Mar. 2023
NAS authentication by pass in Exynos ($\$14.8 \mathrm{K}$), Samsung Electronics, by Eunsoo Kim and Cheol Jun Park	feb. 2022
By myself	
PSV-2021-0304: afpd auth bypass (\$300), NETGEAR	Mar. 2021
Pwn2Own Apple Safari with a kernel privilege escalation (\$70K), ZDI, with Yonghwi Jir and Jungwon Lim	Mar. 2020
Apple Safari sandbox escape (\$20K), Apple	Dec. 2019
Three integer overflow vulnerabilities in PHP ($\$1.5K$), the Internet Bug Bounty	Jun. 2016
An Integer Overflow in Python zipimport (\$1K), the Internet Bug Bounty	Apr. 2016
Patents	

${\bf International}$

2. Security analysis system and method based on negative testing for protocol implementation of LTE device (Pending)

Inventors: Yongdae Kim, Cheoljun Park, Sangwook Bae, Beomseok Oh, Jiho Lee, Mincheol

Son, Insu Yun

Application date: 2022.10.05 Application number: 17960246

Country: US

1. Reverse debugging of software failures

Inventors: Weidong Cui, Xinyang Ge, Baris Kasikci, Cengiz Can, Ben Niu, Ruoyu Wang, Insu

Yun

Registration date: 10565511 Patent number: 2020.02.18

Country: US

Domestic

3. Security analysis system and method based on negative testing for protocol implementation of LTE device

Inventors: Yongdae Kim, CheolJun Park, Sangwook Bae, BeomSeok Oh, Jiho Lee, Eunkyu Lee,

Insu Yun

Registration date: 10-2514797-0000

Patent number: 2023.03.23

Country: Korea

2. Method and system for automatically analyzing bugs in cellular baseband software using comparative analysis based on cellular specifications

Inventors: Yongdae Kim, Eunsoo Kim, Dongkwan Kim, CheolJun Park, Insu Yun

Registration date: 10-2546946-0000

Patent number: 2023.06.20

Country: Korea

1. Methods and systems for key management service provision (Pending)

Inventors: Dongsoo Han, JuHyeng Han, Insu Yun

Application date: 10-2021-0154174 Application number: 2021.11.10

Country: Korea

Invited Talks

International

Title: How to build Skynet — a system that hacks systems

Keynote speech at TyphoonCon, Seoul, Korea Jun. 2023

Title: HardsHeap: A Universal and Extensible Framework for Evaluating Secure Allocators

Presented at ACM CCS 2021, Online Nov. 2021

Title: Automatic Techniques to Systematically Discover New Heap Exploitation Primitives

Presented at USENIX Security 2020, Online Aug. 2020

Title: QSYM: A Practical Concolic Execution Engine Tailored for Hybrid Fuzzing

Presented at USENIX Security 2018, Baltimore, MD Aug. 2018

Title: APISan: Sanitizing API Usages through Semantic Cross-checking

Presented at USENIX Security 2016, Austin, TX Aug. 2016

Domestic

Title: The Dark and Bright Sides of AI in Cybersecurity

Seminar at KAIST-Cyber Security Policy Program	Sep. 2025
Seminar at Samsung SDS, Seoul, Korea	Sep. 2025
Seminar at National Intelligence Service, Seoul, Korea	Sep. 2025
Title: Atlantis: an Autonomous LLM-Powered Bug Finding and Fixing System	
Seminar at Cyber Summit Korea 2025, Seoul, Korea	Sep. 2025
Seminar at Tech-Share by Samsung Electronics, Hyundai Motor, and Naver, Seoul, Korea	Aug. 2025
Seminar at ENKI WhiteHat, Seoul, Korea	Sep. 2025
Seminar at LIGNex1, Seoul, Korea	Sep. 2025
Seminar at KCSCON, Seoul, Korea	Sep. 2025
Title: AIxCC: The Future of Cybersecurity with LLMs	
Seminar at ETRI, Daejeon, Korea	Nov. 2024
Seminar at Moon Sool Graduate School of Future Strategy, Daejeon, Korea	Nov. 2024
Seminar at Future Security Tech Forum, Jeju, Korea	Nov. 2024
Seminar at National Security Research Institute (NSRI), Daejeon, Korea	Sep. 2024
Title: 2024 Security Strategy: Polarization	
Seminar at Defense Counterintelligence Command, Gwacheon, Korea	May. 2024
Title: Building Automated Hacking Systems	
Seminar at POSTECH, Pohang, Korea	Nov. 2023
Title: Trends in Security Vulnerabilities of Low Earth Orbit Satellites	
Presented at ETRI, Daejeon, Korea	Aug. 2023
Title: Academic Research from Offensive Research	
Presented at Samsung, Seoul, Korea	Aug. 2023
Title: Human-friendly binary analysis	
Presented at ETRI, Daejeon, Korea	Nov. 2023
Presented at Korea Computer Congress (KCC), Seoul, Korea	Jun. 2023
Title: Exploit in the wild	
Presented at ETRI, Daejeon	Jun. 2023
Title: Hacking 101	
Presented at WISC, Seoul	Sep. 2022
Title: Attack and Defenses for Heap Vulnerabilities in 2022	
Seminar at ETRI, Daejeon	Apr. 2022
Title: Comparative Analysis of Baseband Software and Cellular Specifications for Finding Vulnerabilities	
Seminar at UNIST, Ulsan	May. 2023
Seminar at Security@KAIST, Online	Jun. 2022
Seminar at Cyber Operations Command, Seoul	Jun. 2022
Title: Scalable and Automatic Vulnerability Discovery Beyond Random Testing Seminar at Seoul National University, Seoul, Korea, Mar. 2019	
Title: Memory Allocator Security	
Presented at Best of Best (BoB), Seoul	Feb. 2023
Presented at Computer System Society Conference (CSC), Pyeongchang	Feb. 2023
Seminar at UNIST, Online	May. 2022
Seminar at Yonsei university, Online	Apr. 2022
Seminar at Sungkyunkwan university, Online	Apr. 2022
Seminar at ETRI, Daejeon	Jan. 2022
Seminar at National Security Research Institute (NSRI), Daejeon	Dec. 2021
Seminar at Securty@KAIST Online	Nov 2021

Seminar at KAIST GSIS, Online	Nov. 2021
Title: Browser Security: Hacking & Research	
Presented at Open Theori Research Seminar #6, Online	Dec. 2021
Seminar at Hanyang University, Online	Nov. 2021
Presented at KR Becks Meetup #1 by LINE, Online	Aug. 2021
Seminar at Security@KAIST, Online	Jun. 2021
Grants	
To summarize, $\$2$ million is awarded, and my portion is $\$1.42$ million. Please note that for the exchange rate of 1,000 won to one dollar.	I have accounted
Research on building an open source kernel security model	24.04 - 24.10
Agency/Company: NRF	
Money: \$54.5K	
Role: PI	
Research on cybersecurity technologies for the future	24.03 - 24.12
Agency/Company: Future science academy	
Money: \$140K	
Role: PI	
Revisiting IoT threat models for smart cities and developing a vulnerability analysis system based on these models	24.01 - 25.12
Agency/Company: IITP	
Money: \$400k Role: PI	
	22.06 24.05
Building a system to assist variant analysis for browsers	23.06 - 24.05
Agency/Company: NRF	
Money: \$65K Role: PI	
	09.04 09.10
Generating a security model based on JavaScript intermediate language	23.04 - 23.10
Agency/Company: NSRI	
Money: \$54.5K Role: PI	
	02.04 02.10
Verifying security threats in open-source operating systems	23.04 - 23.10
Agency/Company: NSRI	
Money: \$54.5K Role: PI	
	02.00 02.11
An automated framework that generates exploit for multi-type kernel bugs	23.02 - 23.11
Agency/Company: CISC Money: \$100K	
Role: PI	
	22 00 22 00
Browser fuzzing with formal verification for cross architectures Agency/Company: NRF	22.09 - 23.09
Money: \$110K	
Role: PI	
Building test suites for validating vulnerability detection	22.08 - 22.11
Agency/Company: ETRI	22.00 - 22.11
Money: \$27.3K	
Role: PI	
Generating a security model based on JavaScript security analysis	22.04 - 22.10
Agency/Company: NSRI	22.04 - 22.10
1180110y/Company. Morti	

Role: PI Developing techniques for collection and integrated analysis of automotive sys-22.04 - 23.12tems through event-based experimental systems Agency/Company: Dankook university Money: $$300K \times 0.5$ Role: PI working with Prof. Yujip Won 6G security 21.08 - 23.09Agency/Company: Samsung Electronics Money: $$200K \times 0.2$ Role: Co-PI with Prof. Yongdae Kim DRAM security 21.07 - 24.06Agency/Company: Samsung Electronics Money: $$180K \times 0.2$ Role: Co-PI with Prof. Yongdae Kim Systematic and precise transformation of the Qualcomm Hexagon architecture 21.06 - 22.05into intermediate representations for binary analysis Agency/Company: NRF Money: \$46.7K Role: PI Automatically generating a security model for discovering web browser vulner-21.04 - 21.10abilities Agency/Company: NSRI Money: \$54.5K Role: PI 21.02 - 24.12Developing a scalable cyber reasoning system (Start-up) Agency/Company: KAIST Money: \$150K Role: PI Advising and Mentoring Ph.D. Students - Eunkyu Lee Fall 2023 - Minwoo Baek Spring 2024 - Junyeong Park Spring 2024 Ph.D./M.S Students - Haein Lee Spring 2022 M.S. Students - Dongok Kim Spring 2023 - Seunggi Min Fall 2023 - Donguk Kim Spring 2024 - Donghyeon Kim Spring 2024 - Wonyoung Kim Spring 2024 - Hyeon Heo Spring 2024 Alumni - Wonyeong Jung, 78ResearchLab M.S. in Fall 2024 - Hyunsik Jeong (Co-advising with Yongdae Kim), S2W M.S. in Fall 2021 - Hyungseok Han (Co-advising with Yongdae Kim), Postdoc at Georgia Tech Ph.D. in Fall 2022

Money: \$54.5K