

# Seongho Keum

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🌐 <https://seongho18.github.io>

## EDUCATION

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|-----------------------|---|
| Feb. 2025 – Current   | <b>Ph.D., School of Computing</b><br>Korea Advanced Institute of Science and Technology (KAIST)<br>Advisor: Sooel Son |
| Feb. 2023 – Feb. 2025 | <b>M.S., School of Computing</b><br>Korea Advanced Institute of Science and Technology (KAIST)<br>Advisor: Sooel Son  |
| Feb. 2018 – Feb. 2023 | <b>B.S., School of Computing</b><br>Korea Advanced Institute of Science and Technology (KAIST)                        |

## PUBLICATIONS

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( \* : equal contribution )

- Site Isolation is Dead: How Site Isolation is Broken in Agentic Browsers and Extensions**  
*Suyoung Lee, Seongho Keum, Changoo Lee, Dongwon Shin, Sanghyun Hong, Byoungyoung Lee, and Sooel Son.*  
47th IEEE Symposium on Security and Privacy (IEEE S&P 2026).
- Private Investigator: Extracting Personally Identifiable Information from Large Language Models Using Optimized Prompts**  
*Seongho Keum, Dongwon Shin, Leo Marchyok, Sanghyun Hong, and Sooel Son.*  
34th USENIX Security Symposium (USENIX Security 2025).
- TrustyMon: Practical Detection of DOM-based Cross-Site Scripting Attacks Using Trusted Types**  
*Sunnyeo Park, Jihwan Kim, Seongho Keum, Hyunjoon Lee, and Sooel Son.*  
20th ACM Asia Conference on Computer and Communications Security (AsiaCCS 2025).

## AWARDS

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- |      |   |
|------|---|
| 2024 | Cybersecurity Research Competition by KACS, 4th place |
| 2018 | Freshmen Dean's List                                  |

## TEACHING

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### Teaching Assistant

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|-------------|----------------------------------|
| 2025 Spring | CS360 – Introduction to Database |
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