

Seungju Lee

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EDUCATION

Princeton University

Ph.D. in Electrical and Computer Engineering

Adviser: Prof. Prateek Mittal

Aug 2023 - Present

Selected coursework: Security and Performance Challenges in Networked Systems, Security and Privacy in Computing and Communications, Information Security, Hardware Security, Information Theory

Seoul National University

B.S. in Electrical and Computer Engineering

B.S. in Mathematical Sciences

Mar 2019 - Feb 2023

RESEARCH INTERESTS

Network security, Network privacy, Network protocols, QUIC

PUBLICATIONS

QUICstep: Evaluating connection migration based QUIC censorship circumvention

Seungju Lee, Mona Wang, Watson Jia, Qiang Wu, Henry Birge-Lee, Liang Wang, Prateek Mittal. Proceedings on Privacy Enhancing Technologies, 2026. (Best Student Paper Award)

[Poster] Fingerprinting QUIC browser clients

Seungju Lee. USENIX Security, 2025.

WORK IN PROGRESS / UNDER REVIEW

Multipath routing protocol for confidentiality

- Designing and evaluating a multipath routing protocol combined with continuous key updates to provide high key secrecy and confidentiality in face of passive and active adversaries

SKILLS

- **Programming:** Python, Go, C/C++, Bash, MATLAB
- **Tools:** Wireshark, iptables, AWS

INVITED TALKS

[Oct 2025] “QUICstep: Evaluating connection migration based QUIC censorship circumvention”. MadS&P Seminar, University of Wisconsin-Madison.

[Oct 2025] “Spotlight on Engineering”. EGR152 Foundations of Engineering, Princeton University.

[Nov 2024] “QUICstep: A lightweight method for circumventing QUIC-based censorship”. NextG Student Lunch Seminar Series, Princeton University.

ACADEMIC SERVICE

- **Program committee:** FOCI 2026
- **External reviewer:** IMC 2024, USENIX Security 2026

TEACHING EXPERIENCE

- **Seoul National University:** Basic Calculus tutor, Fall 2021, Spring 2022

HONORS AND AWARDS

Andreas Pfitzmann Best Student Paper Award (PETS)	2026
Global Korea Scholarship Program for Study Abroad (Korean government, USD 80,000)	2023 - 2025
Gold Prize, 40th University Students Contest of Mathematics	Jan 2022
Dooeul Scholarship (Dooeul Scholarship Foundation, Full tuition for 6 semesters)	Mar 2020 - Feb 2023
Merit Scholarship (Seoul National University, Full tuition for 1 semester)	Sep 2019 - Feb 2020