Seungju Lee

Email: seungjulee@princeton.edu **Website**: seungjulee.com

EDUCATION

Princeton University   Aug 2023 - Present
Ph.D. in Electrical and Computer Engineering
Adviser: Prof. Prateek Mittal

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   Mar 2019 - Feb 2023
B.S. in Electrical and Computer Engineering
B.S. in Mathematical Sciences

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
- **Artifact evaluation committee**: Usenix Security 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