

GYE JIN, LEE

School of Cybersecurity and Privacy | Georgia Institute of Technology | (+1)470-879-6059 | gyejinlee@gatech.edu

EDUCATION

Georgia Institute of Technology (GATech) <i>Ph.D. Computer Science</i>	Atlanta, Georgia <i>Aug 2022-present</i>
Seoul National University (SNU) <i>B.S. Double Major</i> <ul style="list-style-type: none">B.S. in Mathematical SciencesB.S. in Computer Science and Engineering	Seoul, South Korea <i>Mar 2016-Feb 2022</i>
Seoul Science High School <i>High School for Gifted Students</i>	Seoul, South Korea <i>Mar 2013-Feb 2016</i>

RESEARCH INTERESTS

- Software Security
- Cryptography

RESEARCH EXPERIENCE

Systems Software and Security Lab (SSLab), Georgia Tech <i>Graduate Research Assistant (Advisor: Prof. Taesoo Kim)</i> <ul style="list-style-type: none">Researching Web3 security and symbolic execution	Georgia, USA <i>Aug 2022-present</i>
PwnedNoMore (PNM) <i>Community Hacker & Research Intern</i> <ul style="list-style-type: none">Security auditing for various Web3 applications	New York, USA <i>Jun 2022-Aug 2022</i>
Programming Research Lab (ROPAS), SNU <i>Undergraduate Research Intern (Advisor: Prof. Kwangkeun Yi)</i> <ul style="list-style-type: none">Developed Hedgehog, a Homomorphic Encryption Optimization Compiler	Seoul, South Korea <i>Feb 2021-April 2022</i>
SSLab, Georgia Tech <i>Undergraduate Research Intern (Advisor: Prof. Taesoo Kim)</i> <ul style="list-style-type: none">Member of the academic CTF Team, rootimentary	Georgia, USA <i>Aug 2020-Aug 2022</i>
Cryptography Lab, SNU <i>Undergraduate Research Intern (Advisor: Prof. Jung Hee Cheon)</i> <ul style="list-style-type: none">Developed algorithm for homomorphic encryption based privacy preserving human contact tracing	Seoul, South Korea <i>Feb 2020-July 2020</i>

TEACHING EXPERIENCE

Graduate Teaching Assistant, GATech <i>TA for CS6265: Information Security Lab, Binary Exploitation (Instructor: Prof. Taesoo Kim)</i> <ul style="list-style-type: none">Spring 2023, Spring 2024	Georgia, USA
Online International Winter Program, SNU <i>TA for Introduction to Computer Security (Instructor: Prof. Taesoo Kim)</i> <ul style="list-style-type: none">Winter 2021	

AWARDS AND HONORS

DARPA AIXCC <i>Member of Team Atlanta</i> <ul style="list-style-type: none">1st Place, AIXCC Finals (DEFCON 2025)Finalist, AIXCC SemiFinals (DEFCON 2024)	<i>Aug 2023- Aug 2025</i>
Capture-the-Flag (CTF) <i>Member of Georgia Tech Academic Team, rootimentary</i> <ul style="list-style-type: none">4th Place, DEFCON CTF (Team: StarBugs)7th Place, DEFCON CTF Quals (Team: StarBugs, Qualified for DEF CON CTF)3rd Place, zeropts CTF (Team: rootimentary)1st Place, Real World CTF (Team: CodeRoot)	<i>Jan 2021-present</i> <i>Aug 2021</i> <i>May 2021</i> <i>Mar 2021</i> <i>Jan 2021</i>

Simon Marais Mathematics Competition

- 6th Place and Merit Prize for Creative Solution, East Division

Dec 2021

Korean Mathematics Society

- Gold Medal, University Students Contest of Mathematics Field 1 (for mathematics majors)
- International Mathematics Olympiad Korea National Team Candidate (one of the twelve final candidates)
- Excellence Award, Korea Mathematics Olympiad Final Round
- Gold Medal, Korea Mathematics Olympiad
- Honorable Mention, Asian Pacific Mathematics Olympiad

Dec 2016

April 2015

April 2015

Nov 2014

Mar 2014

SCHOLARSHIPS

Korean Foundation for Advanced Studies

Undergraduate Special Scholarship

Aug 2020-Feb 2022

Korea Student Aid Foundation

Presidential Science Scholarship in Mathematics (Full Tuition plus Stipend)

Mar 2016-Feb 2022

Hanseong Sonjaehan Scholarship Foundation

Hanseong Gifted Student Scholarship in Mathematics

Sep 2013

MAJOR COURSES

Graduate

Computer Science

- Applied Cryptography, Network Security, Information Security Lab: Binary Exploitation
- Algebra II

Undergraduate

Mathematics & Computer Science

- Calculus, Statistics, Introduction to Analysis, Linear Algebra, Number Theory, Complex Function Theory, Differential Equations, Modern Algebra, Introduction to Topology, Introduction to Cryptography, Algebraic Coding Theory
- Computer Programming, Data Structure, Algorithms, Programming Language, Principles of Programming, Electrical and Electronic Circuits, Logic Design, Computer Architecture, System Programming, Quantum Information and Computing, (Graduate-level) Cryptography, Operating Systems

OTHER EXPERIENCE

Republic of Korea Army (ROKA)

Mandatory Two Year Military Service

Hwacheon, South Korea

Mar 2018-Nov 2019

- Artillery Observer in the 56th Field Artillery
- Served within the Demilitarized Zone, on the border of South and North Korea

Lived in the USA

Central Park Elementary School

Minnesota, USA

Aug 2000-Aug 2004

- Acquired near native English communication skills

SKILLS

Programming Languages

- Rust, C, C++, Java, Python, OCaml, Solidity, R, MATLAB, SageMath, Scala

Languages

- English (fluent, TOEFL: 114, GRE: 160/170/4.5)
- Korean (native)