

EDUCATION

- **Princeton University** Princeton, NJ
Bachelor of Arts: Mathematics (tentative) Sep 2021 - May 2027 (expected)
Math Coursework: Advanced Graph Theory, Computational Complexity (grad), Topics In Combinatorics: The Probabilistic Method (grad),
CS Coursework: Introduction to Programming Systems.
Current status: Taking two years of leave for military service in Korea. Expected to return in Fall 2024 as a rising sophomore.
- **Seoul Science High School** Seoul, South Korea
High School Diploma Mar 2018 - Feb 2021

SELECTED HONORS AND AWARDS

- **Bluevisor Prize, 2nd MAICON (Military AI Competition)** Dec 2023
 - Achieved 5th place out of 780 participants from across the Republic of Korea's Armed Forces in a competition co-hosted by the Ministry of Defence and the Ministry of Science and ICT.
 - Main task involved building a system for transcribing Korean speech recorded from noisy warzone environments. Our team achieved a score of 0.22 Character Error Rate (CER) within the 30-hour timeframe.
- **Class of 1861 Special Prize** Feb 2022
 - Awarded in recognition of my performance on the 2021 Putnam exam.
- **82nd William Lowell Putnam Competition** Feb 2022
 - Ranked 18th (score 73/120) among 2,975 participants from 427 institutions.
- **Princeton University Computer Science Contest (COSCON)** Nov 2021
 - Placed 3rd as Undergraduate Team; 5th including Graduate Participants (93 teams participated)
 - Awarded Best Freshman/Sophomore Team Prize
- **Korean Presidential Science Scholarship** Aug 2021
 - Awarded to twenty students nationwide studying abroad; Provides funding for four years.
 - Recognized for "high creativity and potential to thrive in the field of science and technology"
- **Awarded Silver Medal, 61st International Mathematical Olympiad (IMO)** Sep 2020
 - Participated as part of the Korean team, placed 4th as a team
- **Awarded Gold Prize (1st place), 26th and 27th Samsung Humantech Paper Award** Jan 2020, Jan 2021
 - Participated in one of the prestigious national research competitions open to high school students
 - Placed 1st in Math and Computing division among approximately 1900 total submitted papers
 - Paper title: "The bond percolation threshold for two-dimensional asymmetric lattices", "Throttling numbers on the cops and strong robbers game" (directed by high school faculty)
- **Talent Award of Korea** Oct 2020
 - Awarded by the Deputy Prime Minister and Minister of Education of Korea to 50 high school students
 - Recognized for "the potential to become future leaders and have performed exemplary talents and outstanding meritorious service"

EXPERIENCES

- **Operator** Oct 2022 - Jul 2024 (expected)
Republic of Korea Air Force
 - Operator at Republic of Korea Air Force HQ's Command and Control Center. Expected to be discharged in July 2024.
- **Olympiad Coach** Jan 2021 - Aug 2021
Korean Mathematical Society
 - Official teaching staff member of the Korean team for the 62nd International Mathematical Olympiad
 - Developed unique teaching materials for gifted high school students
 - Organized and taught the Winter School hosted by the Korean Mathematical Society
 - Communicated with other staff members to develop unique and creative mock exams for team selection