

EDUCATION

- **Ulsan National Institute of Science and Technology** Ulsan, Korea
Master of Science in Computer Science; Mar. 2019 – Feb. 2021
- **University of Science and Technology** Daejeon, Korea
Master of Information Security Engineering; Mar. 2018 – Aug. 2018
- **Dalian Ocean University** Dalian, China
Exchange Student; Aug. 2016 – Feb. 2017
- **Pukyong National University** Busan, Korea
Bachelor of Engineering in information and communication engineering; Mar. 2013 – Feb. 2018

RESEARCH INTEREST

- **Hardware Security:** Hardware design verification.
- **Program Analysis:** Program analysis for secure program; Program verification; Program synthesis.
- **Secure Hardware Extension:** Hardware extensions for secure software isolation.

EXPERIENCE

- **ETRI(Electronics and Telecommunications Research Institute)** Daejeon, Korea
Software Engineer Jul. 2017 - Oct. 2017
 - **LPWA(Low Power Wide Area):** Communication paper study.
 - **Indoor Localization:** I did research to improve the accuracy of beacon recognition indoors.

AWARDS

- **Korea information security BOB Idea cup** Korea
Netizen special prize Feb. 2015
Create excellent information protection ideas and raise public awareness of security.

ACTIVITIES

- **CERT-IS** Pukyong National University Security Club
Member Mar. 2014 – Feb. 2018
- **Microsoft Student Partners 8th** Microsoft Korea
Member Aug. 2014 – Aug. 2014

PROGRAMMING SKILLS

- **Languages:** Scala, C++, Python, Javascript, Java