Junghyun Kim

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My Research Interest lies in theoretical computer science that has practical use such as Algorithm, Optimization, Data Structure, Cryptography, Data science, Pattern Recognition, and Machine Learning.

Education

2015–2017 **B.S in Computer Science**.
Georgia Institute of Technology, Atlanta, GA
Threads (Concentration): Theory & Intelligence
GPA: 3.75

2015–2018 **B.S in Mathematics**.
Georgia Institute of Technology, Atlanta, GA

Research Experience

Jun 2017 - Aug 2017 **Research Intern**, *Security Lab*, Software R&D Center, Samsung Electronics.
- Worked on privacy preserving fingerprint authentication based on Minutiae points with Inner Product Encryption (IPE) so that no privacy is leaked even when either the server or device is hacked.
- Advisor: Jinsu Kim

Aug 2016 - Present **Research Assistant**, *Stadium - IoPT: Frequency Coordination*, Georgia Institute of Technology.
- Worked on developing software that analyzes frequency sweep and helps assigning frequencies to agencies during the football game.
- Advisor: Edward J Coyle, Randal T Abler

Teaching Experience

Spring 2016, Fall 2017 **Teaching Assistant**.
- CS 4510: Automata and Complexity (Fall 2017)
  Instructor: H. Venkateswaran and Alexandera Boldyreva
  Class Size: 150 Students (Approximate)

- CS 2051: Honors Discrete Math (Spring 2016)
  Instructor: Richard J. Lipton
  Class Size: 35 Students

Fall 2016- Spring 2017 **Grader**.
- MATH 3012: Applied Combinatorics (Spring 2017)
  Instructor: Fidel Barrera-Cruz
  Class Size: 73 Students

- MATH 3012: Applied Combinatorics (Spring 2017)
  Instructor: Ernie Croot
  Class Size: 84 Students

- MATH 3012: Applied Combinatorics (Fall 2016)
  Instructor: Fidel Barrera-Cruz
  Class Size: 51 Students

Publication

In preparation

Membership

May.2016-Present	**Association for Computing Machinery (ACM)**.
Jul.2017-Present	**Institute of Electrical and Electronics Engineers (IEEE)**.
Aug.2015-Present	**Korean Computer Science (GT KCS)**. President (May 2017 - Present), Member (Aug 2015 - Apr 2017)
Aug.2015-Present	**Korean-American Scientists and Engineers Association (KSEA)**.

Honors

Spring 2017	**Dean's List**, *Georgia Institute of Technology*, Atlanta, GA.
Fall 2016	**Dean's List**, *Georgia Institute of Technology*, Atlanta, GA.
Spring 2016	**Faculty Honors**, *Georgia Institute of Technology*, Atlanta, GA.
Fall 2015	**Dean's List**, *Georgia Institute of Technology*, Atlanta, GA.
Jul. 2011	**Korea Olympiad in Informatics - National**, *Silver Award*, National Information Society Agency, South Korea.

Computer skills

Languages	C/C++, Java, Python, PHP, HTML, CSS, Javascript, LaTeX
Framework	Node.js, Django
Database	MYSQL
Operating Systems	Microsoft Windows, Mac OS, Linux (Ubuntu)

References

Richard J. Lipton
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School of Electrical and Computer Engineering
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