

Youngtae Youn

Ph.D. Candidate, Computer Science and Engineering

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Education

- 2007 – **Ph.D. Candidate, Computer Science and Engineering**
Pennsylvania State University, University Park, PA
Advisor: Prof. Adam Smith
- 2003 – 2005 **Master of Engineering, Computer and Communication Engineering**
POSTECH, Pohang, Republic of Korea
Thesis title: “Generic Construction of Timed-Release Encryption”
Devised generic construction of timed-release encryption based on identity-based encryption and proved its security.
Advisor: Prof. Pil Joong Lee (The president of KIISC[†] in 2004)
- 1995 – 2003 **Bachelor of Science, Electrical Engineering**
Seoul National University, Seoul, Republic of Korea
Thesis title: “Electronic Prescription and Management Systems”
Implemented RSA cryptosystem and applied it to the electronic prescription system.
Advisor: Prof. No, Jong-Seon

Employment

- Aug. 2008 – Dec. 2008 **Teaching Assistant at Pennsylvania State University**
 - CMPSC 464 Introduction to the Theory of Computation
- Jun. 2008 – Jul. 2008 **Research Assistant at Pennsylvania State University**
- Jan. 2008 – May. 2008 **Teaching Assistant at Pennsylvania State University**
 - CMPSC 465 Data Structures and Algorithms
- Mar. 2003 – Jun. 2005 **Research Assistant at POSTECH**
- Mar. 2005 – Jun. 2005 **Teaching Assistant at POSTECH**
 - EC579 Information and Communication Security
 - IT556 Introduction to Cryptography

Professional Activities

- Dec. 2004 **Asiacrypt 2004**, Jeju Island, Korea. *Secretariat for Program Committee*
 - Chair: Pil Joong Lee
 - Organized by IACR (International Association for Cryptology Research)
- Nov. 2003 **CISC-W2003**, Seoul, Korea. *Secretariat for Program Committee*
 - Chair: Pil Joong Lee and Heung-Youl Youm
 - Organized by KIISC (Korea Institute of Information Security and Cryptology)

[†]KIISC: Korea Institute of Information Security and Cryptology

Projects Performed

- Mar. 2003 – Jan. 2004 **Developing Key Recovery System for Secure Phone Service in Mobile Phones**
- Joint work with *Curitel Communications, Inc.*, Republic of Korea
- Aug. 2003 – Jul. 2004 **A Study of Mobile Network Security Technology**
- ITRC (Information Technology Research Center)
 - Sponsored by *Ministry of Information and Communication*, Republic of Korea

Special Activities

- Jul. 2001 – Feb. 2002 **Developing Search Engine for Internet News Specialized for Business Environment**
- Joint work with *NCUBIC, Inc.*
- Oct. 1997 – Dec. 1999 **Military Service, ROK Army**
- Jul. 1996 – Aug. 1996 **Robocon' 96 (International Design Contest), Seoul National University Representative**
- Darmstadt, Germany
 - Sponsored by *VDI Nachrichten* and *NHK International*

Skills

- Languages: English and Korean
- Computer Skills
 - Programming Languages: Java, C, C++, PHP, Python, Matlab and LaTeX
 - Server Administration: Linux, FreeBSD, OpenBSD, and Windows Server

Citizenship

Republic of Korea citizen, F-1 visa holder.