

Reza Rahaeimehr

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EDUCATION

- Jan '16 – Dec '19 **Ph.D.** in Computer Science and Engineering
University of Connecticut, Storrs, CT, USA. GPA: 4.04 / 4.0
- Sep '05 – Feb '08 **Master** in Software Engineering
Tehran Polytechnic University, Tehran, Iran
- Sep '00 – Aug '05 **B.Sc.** in Software Engineering
Isfahan University, Isfahan, Iran

SKILL KEYWORDS

- First Cryptography, Secure Protocols, Side Channel Attacks, OpenStack, Authentication, C++, C#, ASP.NET, Python, PHP, VC++ MFC, Delphi, JavaScript, CSS, MS SQL Server, and MySQL.
- Second Cloud Computing, Android, Game Maker Studio, REST APIs, UML, Java, Android, XML, Pascal, Assembly, PowerPoint, MS Word, Excel, Google Doc, Google Drawing, Visio, Unity

MAIN EXPERIENCES

- Jan 2020-Present
(2 yrs and 6 mos) **Assistant Professor** at School of Computer and Cyber Sciences, Augusta University, GA
- Taught grad and undergrad courses including the **Principles of Programming (C#), Modern Cryptography, Distributed Systems, and Web Design**
 - Researching Cloud Computing specially on Authentication and Authorization problems (*details are confidential*)
 - Working on *Side-Channel Attacks on Keyboards (details are confidential)*
 - *Mentoring grad and undergrad students*
- Jan 2016-Dec 2019
(4 yrs) **Research Assistant** Dept. of CSE, University of Connecticut, Storrs, CT
- In this period, I was a Ph.D. student and a member of the Secure Computation Lab in our department. The followings are some highlights of my works:
- Cloud computing research, including Security Analysis of OpenStack using Universal Composability Framework (collaborative work with Boston University and MIT)
 - Proposed new authentication mechanism for cloud and modular systems. Also, I implemented the proposal for OpenStack
 - Collaboration with Massachusetts Open Cloud team on “Cloud Federation”
 - Invent an RFID based method to detect counterfeit products
 - Proposed and analyzed two lightweight Crypto Primitives
 - Developed the website of UConn’s Secure Computing Lab with PHP
- Sep 06-Aug 14 **Founder and Technical manager** MIS Software Co., Iran

- (8 yrs) **Designed and Developed:**
- A client-server Office Automation System using C# and MS SQL Server that was used by more than 60 organizations, state offices, universities, and companies.
 - Various websites implemented either with ASP.Net+SQL Server or PHP+MySQL and JavaScript.
- Aug 04-Sep 06 **Software Developer, System Analyst, and Team Leader at Golestan Co., Iran**
(2 yrs) Designed and developed an ERP including marketing, selling, accounting, and supply chain management systems using PowerDesigner, Delphi, and SQL Server.
- Jan 03-Aug 04 **Software Developer and Analyst at Samen-Samaneh Co, Iran**
(1 yr and 8 mos) Designed and developed several websites using ASP.NET, SQL Server, and JavaScript.
- Sep 02-Jan03 **Software Developer at DSSSolution Co, Iran (a branch of an American company)**
(3 mos) Contributed to developing a Decision Support System with VC++ and Oracle.

TOP PUBLICATIONS

- SecDev'19 **R. Rahaeimehr**, et al., "On the Universally Composable Security of OpenStack," IEEE Secure Development Conference (SecDev 2019)
- FC'18 **R. Rahaeimehr**, et al., "Weak-Unforgeable Tags for Secure Supply Management," 22nd International Conference on Financial Cryptography and Data Security (FC 2018).
- HOST'17 **R. Rahaeimehr**, et al., "New Clone-detection Approach for RFID-based supply chain," IEEE International Symposium on Hardware Oriented Security and Trust (HOST'17).