

Leila Karimi

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Education

University of Pittsburgh

PH.D. IN INFORMATION SCIENCE | GPA: 4.0

- Advisor: Dr. James Joshi (Prof.)
- Relevant Courses: Info Storage & Retrieval, Cryptography, Social Computing, Algorithms, Adv Statistics

Pittsburgh, U.S.A

Sep. 2015 - Exp. Apr. 2020

Sharif University of Technology

M.S. IN INFORMATION TECHNOLOGY ENGINEERING | GPA: 4.0

- Thesis title: A privacy Preserving Access Control for Data Outsourcing
- Relevant Courses: Net Security; Comp. Net Management; Computer Networks; Database Security; Data Mining

Tehran, Iran

2011 - 2013

Sharif University of Technology

B.S. IN INFORMATION TECHNOLOGY ENGINEERING | GPA: 3.94

- Thesis title: Semantic-Based Access Control in Social Networks
- Exceptional Talent Award

Tehran, Iran

2007 - 2011

Skills

Programming Languages Java, PHP, Python, R, SQL

Web Development HTML, CSS, JavaScript

Research Experience

An Unsupervised Learning Approach for Mining Attribute Based Access Control Policies

University of Pittsburgh

- Proposed an algorithm for extracting an attribute-based access control policies from a set of access right tuples.
- Demonstrated effectiveness on big & complex access control policies; submitted to BigData'18

Multi-owner multi-stakeholder access control model for a healthcare environment

University of Pittsburgh

- Proposed a framework for enforcing multi-owner multi-stakeholder access control policies in a healthcare domain
- Developed a comprehensive and fine-grained access control model to protect EHRs from unauthorized accesses; published in CIC'17

Dynamic Privacy Aware Access Control Model for Location Based Services

University of Pittsburgh

- Proposed an access control model to provide different location privacy protection levels based on various access control list of users
- Considered policy updates which may result in grant/revoke of authorizations
- Performed analysis of the security properties and performance of the proposed model; published in CIC'16

Projects

SAHI Project (<http://www.sis.pitt.edu/sahi/>)

University of Pittsburgh

- Developed lab modules related to information security in healthcare domain for undergraduate and graduate programs.

Enhancement of Spotify's Search Capabilities

University of Pittsburgh

- Enabled users to search not only by artist and song name but also by lyrics excerpts; PHP, JavaScript

IDEA Implementation & Evaluation

University of Pittsburgh

- Implemented the IDEA encryption & decryption algorithms; Java
- Verified it against existing test vectors & studied its strengths and weaknesses

Privacy in Social Internet of Things

University of Pittsburgh

- Conducted a user study to identify privacy concerns in Social Internet of Things

Honors & Awards

2017 **Scholarship Recipient**, to attend Grace Hopper Celebration (GHC).

Orlando, U.S.A

2017 **Travel Award**, to attend CRA Women Grad Cohort Workshop

San Francisco, U.S.A

2017 **Travel Award**, to attend CIC'17

San Jose, U.S.A

2016 **Travel Award**, to attend CRA Women Grad Cohort Workshop

D.C., U.S.A

Services

Reviewer CODASPY, BigData, CIC, SCC, SACMAT, TSC

Instructor 2018 AFA CyberCamp Hosted by Pitt Cyber

Vice-President Women in Information Sciences Group (WIS), University of Pittsburgh

Web Master CIC'16