Leila **Karimi**

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Edu**cation**

University of Pittsburgh *Pittsburgh, U.S.A*

PH.D. IN INFORMATION SCIENCE | GPA: 4.0 *Sep. 2015 - Exp. Apr. 2020*

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

Sharif University of Technology *Tehran, Iran*

M.S. IN INFORMATION TECHNOLOGY ENGINEERING | GPA: 4.0 *2011 - 2013*

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

Sharif University of Technology *Tehran, Iran*

B.S. IN INFORMATION TECHNOLOGY ENGINEERING | GPA: 3.94 *2007 - 2011*

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

Ski**lls**

Programming Languages	Java, PHP, Python, R, SQL
Web Development	HTML, CSS, JavaScript

Res**earch 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

Pro**jects**

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

Hon**ors & 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*

Ser**vices**

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