

# SARAH M. LEHMAN

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## Computer and Information Sciences

### Temple University

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Philadelphia PA 19122

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## RESEARCH INTERESTS

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Secure and efficient design of mobile and IoT systems (with a focus on configuration and access control for mobile augmented reality); applications of emergent technology for geriatric healthcare; undergraduate computer science education.

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## EDUCATION

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### Ph.D. Candidate in Computer Science

Temple University, Philadelphia, Pennsylvania

Aug. 2016 – Present

### Masters of Software Engineering

The Pennsylvania State University, State College, Pennsylvania

Aug. 2015

### B.A. in Computer Science (magna cum laude)

Messiah College, Grantham, Pennsylvania

Dec. 2010

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## EMPLOYMENT

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### ACADEMIA:

- **Instructor of Record** Aug. 2019 – Present  
Temple University, Philadelphia, Pennsylvania
- **Research and Teaching Assistant** Aug. 2016 – Aug. 2019  
Temple University, Philadelphia, Pennsylvania
- **Adjunct Instructor of Computer Science** Jan. 2016 – May 2016  
Villanova University, Villanova, Pennsylvania
- **Adjunct Instructor of Computer Science** May 2017 – Aug. 2018  
Messiah College, Grantham, Pennsylvania
- **Guest Lecturer of Computer Science** Aug. 2015 – Dec. 2016  
Messiah College, Grantham, Pennsylvania

### INDUSTRY:

- **Software Engineer** July 2012 – Aug. 2016  
Lockheed Martin Corporation, Lexington Park, Maryland
- **Software Developer** Jan. 2011 – July 2012  
Computer Aid Inc, Harrisburg, Pennsylvania

INDUSTRY (CONT'D):

- **Software Development Intern**  
Computer Aid Inc, Harrisburg, Pennsylvania

May 2010 – Dec. 2010

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## TEACHING

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INSTRUCTOR OF RECORD, TEMPLE UNIVERSITY:

- CIS 5017 – Operating Systems and Architecture (online) Fall 2019

TEACHING ASSISTANT, TEMPLE UNIVERSITY:

- CIS 5210 – Intro to Mobile App Development (online) Spring 2019
- CIS 4515 – Advanced Mobile Applications Spring 2018
- CIS 3515 – Intro to Mobile App Development Fall 2018
- CIS 4378 – Intro to Computer and Network Security Spring 2017, Fall 2017

ADJUNCT INSTRUCTOR, MESSIAH COLLEGE:

- CIS 180 – Intro to Comp. and Info. Science (online) Summer 2017, Summer 2018

ADJUNCT INSTRUCTOR, VILLANOVA UNIVERSITY:

- CSC 1051 – Data Structures and Algorithms I Spring 2016

GUEST LECTURER, MESSIAH COLLEGE:

- CIS 180 – Intro to Comp. and Info. Science Fall 2015, Fall 2016

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## PUBLICATIONS

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CONFERENCE PAPERS:

- **Sarah Lehman**, Jenna Graves, Carlene Mcaleer, Tania Giovannetti, and Chiu C. Tan, “A Mobile Augmented Reality Game to Encourage Hydration in the Elderly”. Proceedings of the 20<sup>th</sup> International Conference on Human-Computer Interaction, July 2018.
- **Sarah M. Lehman** and Chiu C. Tan, “PrivacyManager: An Access Control Framework for Mobile Augmented Reality Applications”. Proceedings of the IEEE Conference on Communications and Network Security, October 2017.
- Theodore Hauser, James Klein, Philip Coulomb, **Sarah Lehman**, Takehiko Yamaguchi, Tania Giovannetti, and Chiu C. Tan, “Wearable Computing Support for Objective Assessment of Function in Older Adults”. Proceedings of the 19<sup>th</sup> International Conference on Human-Computer Interaction, July 2017.

POSTERS:

- Ham, L., **Lehman, S.**, Matchanova, A., Divers, R., Giovannetti, T., & Tan, C. C. (2018, February). *Using wearables to measure pauses during everyday activities*. Presented at the International Neuropsychology Society Conference, Washington D.C.

## COURSES DEVELOPED

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### GRADUATE-LEVEL:

- **CIS 5017 – “Operating Systems and Architecture”** (online) Summer 2019  
Dept. of Computer and Information Science, Temple University

## AWARDS

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### AWARDS:

- **Outstanding Teaching Assistant** Oct. 2018  
College of Science and Technology, Temple University

### FELLOWSHIPS:

- **First Summer Research Initiative (FSRI) Fellow** May 2019  
Graduate School, Temple University
- **First Summer Research Initiative (FSRI) Fellow** May 2018  
Graduate School, Temple University
- **First Summer Research Initiative (FSRI) Fellow** May 2017  
Graduate School, Temple University

### TRAVEL GRANTS:

- **NSF / ARO Student Travel Grant Awardee** Sept. 2017  
IEEE Conference on Communications and Network Security (2017)

## AFFILIATIONS

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### TEMPLE UNIVERSITY:

- CIS Graduate Student Association Oct. 2016 – Present
- T.U. Graduate Student Association (dept. rep.) Sept. 2017 – Present

### PROFESSIONAL:

- ACM (special interest groups: SIGCHI, SIGCSE) Sept. 2016 – Present
- IEEE (special interest groups: ComSoc, Women in Eng.) July 2017 – Present

## CERTIFICATIONS AND TRAINING

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### TEACHING:

- **Online Teaching Certificate** July 2019  
Fox School of Business, Temple University