

ALI RAZA

aliraza@bu.edu
Boston, MA, USA

RESEARCH INTERESTS

I am interested in Operating Systems with a focus on building and studying the advantages of unikernels.

EDUCATION

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| <i>Sep 2017 - Present</i> | Ph.D., Dept. of Computer Science
BOSTON UNIVERSITY
Advisor: Prof. Orran Krieger |
| <i>Sep 2014 - Jun 2016</i> | M.S. Computer Science
LAHORE UNIVERSITY OF MANAGEMENT SCIENCES, PAKISTAN |
| <i>Sep 2008 - Jun 2012</i> | B.S. Electrical Engineering
LAHORE UNIVERSITY OF MANAGEMENT SCIENCES, PAKISTAN |

PUBLICATIONS

2018

- **Using SGX-Based Virtual Clones for IoT Security**
Rashid Tahir, Ali Raza, Fareed Zaffar, Faizan Ul Ghani, Mubeen Zulfiqar
2018 IEEE 17th International Symposium on Network Computing and Applications (IEEE NCA), Boston, MA, USA, Nov 2018.
- **A Secure Cloud with Minimal Provider Trust**
Amin Mosayyebzadeh, Gerardo Ravago, Apoorve Mohan, Ali Raza, Sahil Tikale, Nabil Sc-hear, Trammell Hudson, Jason Hennessey, Naved Ansari, Kyle Hogan, Charles Munson, Larry Rudolph, Gene Cooperman, Peter Desnoyers, Orran Krieger
10th USENIX Workshop on Hot Topics in Cloud Computing (**HotCloud 18**), Boston, MA, USA, July 2018.
- **It's All in the Name: Why Some URLs are More Vulnerable to Typosquatting**
Rashid Tahir, Ali Raza, Faizan Ahmad, Jehangir Kazi, Fareed Zaffar, Chris Kanich, Matthew Caesar
IEEE International Conference on Computer Communications (**IEEE INFOCOM 2018**), Honolulu, Hawaii, USA, April 2018.

2017

- **An Anomaly Detection Fabric for Clouds Based on Collaborative VM Communities**
Rashid Tahir, Ali Raza, Mazhar Naqvi, Fareed Zaffar and Matthew Caesar
17th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing (**CCGrid**), Spain, May 2017.

MS THESIS

- **Improving Wireless Network Performance Through Better Contextual Information**
Explored various sensor hints from mobile devices for better understanding of the contextual environment in order to improve Wi-Fi rate adaptation in real time. Also built a novel indoor-outdoor detection Android app for context analysis.
Advisor: [Prof. Ihsan Ayyub Qazi](#)

EXPERIENCE

<i>May 2018 - Present</i>	Research Intern RED HAT, BOSTON, MA, USA
<i>Jun 2016 - Jul 2017</i>	Research Intern LAHORE UNIVERSITY OF MANAGEMENT SCIENCES, PAKISTAN, Advisor: Prof. Fareed Zaffar

TEACHING EXPERIENCE

Boston University

Fall 2017 | CS 350: Fundamentals of Computing Systems

Lahore University of Management Sciences

<i>Fall 2015</i>	CS 200: Introduction to Programming
<i>Sum 2015</i>	CS 200: Introduction to Programming
<i>Fall 2014</i>	CS 100: Computational Problem Solving (MATLAB)
<i>Fall 2012</i>	CS 100: Computational Problem Solving (MATLAB)
<i>Fall 2011</i>	CS 100: Computational Problem Solving (MATLAB)
<i>Fall 2011</i>	POL 151: Science and Civilization

PROGRAMMING SKILLS

Languages: C/C++, Java, Python, MATLAB
Interests: Linux Kernel Programming, Android Programming