

Ali Musa Iftikhar

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Current status

M.S., Computer Science, Tufts University

Areas of specialization

Network systems • Data center networking • Robotics

Education

2014-to-date	M.S. in Computer Science, Tufts University
2010-2014	B.S. in Electrical Engineering with minor in Computer Science, Lahore University of Management Sciences (LUMS)

Grants, honors & awards

2016	Notation of Development
2015	ACM SIGCOMM Travel Grant
2015, 2016	Tufts University's Graduate Student Travel Scholarship
Fall 2011-12	LUMS Dean's Honor
2012, 13	Microsoft Imagine Cup, <i>Region finalist</i>
2012	IEEE National Coding Guru, <i>4th position</i>

Publications, talks & posters

PEER-REVIEWED JOURNALS/CONFERENCES/WORKSHOPS

2016	Ali Musa Iftikhar , Fahad Dogar, and Ihsan Ayyub Qazi. Towards a Redundancy-Aware Network Stack for Data Centers. <i>ACM HotNets 2016</i>
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TALKS

2016	HotNets November 2016 — Atlanta, Georgia, USA. <i>RANS</i>
2015	SIGCOMM August 2015, Menotring Moments — London, United Kingdom. <i>RANS</i>
2014	NENS October 2014 — Boston, MA, USA. <i>Predictable and Resilient Multi-Tenant DC topologies</i>

POSTERS

2016 Nens 2016. *RANS*
2015 Nens 2015. *RANS*

Professional Experience

RESEARCH ASSISTANT

2014-to-date Lab group: Networking at Tufts
Director: Fahad Dogar
Computer Science Department, Tufts University

TEACHING ASSISTANT

Spring 2017 Introduction to Algorithms, Comp160, Tufts University
Fall 2016 Networks and Protocols, Comp112, Tufts University
Spring 2016 Computation Theory, Comp170, Tufts University
Spring 2015 Networks and Protocols, Comp112, Tufts University
Fall 2013 Discrete Mathematics, CS210, LUMS

INTERNSHIP

Summer 2013 SDET at Windows Azure Marketplace, Commerce Platform Server and Tools Business.
Microsoft, Redmond.
Fall 2013 Lab: Cyphynets
Director: Dr. Abubakr Muhammad
LUMS

Technical Skills

LANGUAGES

C, C++, Python, C#, Shell, MATLAB, Scheme, Standard ML, Smalltalk TCL, SQL, PHP, CSS, HTML

PLATFORMS

ns-2, Emulab, Cloudlab, GENI, Microsoft Azure, Linux

Advanced Coursework

Hot Topics in Networking, Topics in Internet Research, Rethinking the Internet Architecture, Internet Scale Distributed Systems, Cloud Computing, Computational Geometry, Digital Image Processing, Computer Vision, Artificial Intelligence, Computation Theory, Robot Motion Planning, Digital Control Systems