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Education

Computer Science & Artificial Intelligence Lab (CSAIL), MIT

09/2019 - Present

Visiting Researcher

Department of Computer Science, Duke University

08/2017 - Present

Ph.D. Candidate, Computer Science (expected May 2022)

• Advisor: Prof. Bruce Maggs

National University of Sciences and Technology (NUST), Pakistan

09/2010 - 06/2014

Bachelor of Engineering, Software Engineering

• Senior Design Project: Differentiated Services over SDN-IXP

Work Experience

Max Planck Institute for Informatics (MPI), Saarbrücken, Germany

05/2019 - 08/2019

Research Intern

- Explored the security and performance tradeoff in DNS in client-side resolution
- Explored structural differences between landing and inner pages of websites and how that affects unstated assumptions in web performance studies

Akamai Technologies, New York

05/2018 - 08/2018

Intern, Performance Engineer

 Derived and compared methods for inversion of the footprint descriptor calculus

Arbisoft, Lahore, Pakistan

09/2015 - 07-2017

Software Engineer

• Full-stack web development on Django & Backbone for insurify.com

Publications

Untangling Header Bidding Lore: Some myths, some truths, and some hope

W. Aqeel, D. Bhattacherjee, B. Chandrasekaran, P. Godfrey, G. Laughlin, B. Maggs, A. Singla [To appear in] Passive and Active Measurement Conference (PAM) 2020

Gearing up for the 21st Century Space Race

D. Bhattacherjee, W. Aqeel, I. Bozkurt, A. Aguirre, B. Chandrasekaran, P. Godfrey, G. Laughlin, B. Maggs, A. Singla ACM HotNets 2018

Dissecting Latency in the Internet's Fiber Infrastructure

I. Bozkurt, W. Aqeel, D. Bhattacherjee, B. Chandrasekaran, P. Godfrey, G. Laughlin, B. Maggs, A. Singla Pre-submission draft on arXiv

cISP: A Speed-of-Light Internet Service Provider

D. Bhattacherjee, S. Jyothi, I. Bozkurt, M. Tirmazi, W. Aqeel, A. Aguirre, B. Chandrasekaran, P. Godfrey, G. Laughlin, B. Maggs, A. Singla

Pre-submission draft on arXiv

Teaching Experience

Duke University

01/2018 - 12/2018

Teaching Assistant, CPS 310 Operating Systems