Waqar A. Aqeel

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Education	**Computer Science & AI Lab (CSAIL), MIT** Visiting Student	09/2019 – Present
	Department of Computer Science, Duke University Ph.D. Candidate, Computer Science (expected May 2022) • Advisor: Prof. Bruce Maggs	08/2017 – Present
	National University of Sciences and Technology (NUST), Pakistan Bachelor of Engineering, Software Engineering • Senior Design Project: Differentiated Services over SDN-IXP	09/2010 – 06/2014

Work Experience

Max Planck Institute for Informatics, 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
- Designed extensible modules for XML & JSON processing and generation

Teaching Experience

Duke University   08/2018 – 12/2018
Teaching Assistant, CPS 310 Operating Systems

Duke University   01/2018 – 05/2018
Teaching Assistant, CPS 310 Operating Systems

Publications

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