Curriculum Vitae/Resume

Nofel Yaseen

Contact Info

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Education

2017- PhD Computer and Information Science, **University of Pennsylvania (uPenn)**
Concentration: Computer Networks

2013-2017 Bachelors of Science, **Lahore University of Management Sciences (LUMS)**
Major: Computer Science
CGPA: 3.80/4.00

Publication

SIGCOMM'18 (Accept. rate $\sim$ 18%) N. Yaseen, J. Sonchack, V. Liu "Synchronizing Network Snapshots" in *Proceedings of ACM SIGCOMM 2018*, Budapest, HU, Aug 2018

CoNEXT'16 (Accept. rate $\sim$ 18%) K. Nishat, F. Javed, S. Salman, N. Yaseen, A. Fida, I. Qazi "SlickFi: A Service Differentiation Scheme for High-Speed WLANs using Dual Radio APs" in *Proceedings of ACM CoNEXT 2016*, Irvine, CA, USA, Dec 2016

Research Experience

P4 Snapshot
Graduate Research Assistant, UPENN
Researching on designing on making measuring large and fast network in a data-center by Chandy-Lamport Algorithm to maintain causal consistency and P4 switches to measure at line rate. Advisor: Dr. Vincent Liu

Slickfi
Networks and Systems Group (NSG), LUMS
Researched on designing of a novel technique to improve overall throughput while maintaining the quality of live streaming service in wireless networks. Furthermore, designed various test beds settings to emulate real life scenarios encountered in a WiFi environment. Advisor: Dr. Ihsan Ayyub Qazi

Cyclone
Senior Year Project, LUMS
Researched on designing of a novel technique to provide Dynamic Virtualisation for Cloud Security by leveraging existing technologies. Cyclone supports dynamic capabilities such as controlling time (speeding up/slowing down/pausing processing) and shape (mapping between physical & virtual cloud). Advisor: Dr. Fareed Zaffar

SmarTOR
Networks and Systems Group (NSG), LUMS
Researched on designing a novel technique of a novel algorithm in TOR to reduce page load time by intelligent relay selection. SmarTOR utilizes user history, geographical location, and live latency estimation in circuits to choose the best possible while maintaining security and anonymity. Advisor: Dr. Ihsan Ayyub Qazi

Teaching Experience

Spring 2017 | **Teaching Assistant at LUMS**
Responsible for designing and grading Programming Assignments and Tutor students in office hours for the course Network Centric Programming. Instructor: Dr. Fareed Zaffar

Fall 2016 | **Teaching Assistant at LUMS**
Responsible for designing and grading class Worksheets, Tutor students in office hours and Supervise Course Projects (Movie Recommendation, Newsfeed recommendation, Text recognition, License Plate recognition, AI based multi-PACMAN) for the course Introduction to Artificial Intelligence. Instructor: Dr. Mian Muhammad Awais

Spring 2016 | **Teaching Assistant at LUMS**
Responsible for designing and grading Programming Assignments and Tutor students in office hours for the course Data Structures. Instructor: Dr. Ihsan Ayyub Qazi

Additional Experience and Awards

2013-16 Secured Position in Deans Honor List for excellent academic Performance
2015 Completed Ericsson ICT Professional Development Program which focuses on innovative technologies and emerging communication trends to bridge the gap between academia and ICT industry.
2014 Completed ACM Summer Internship on Java and Web development.
2011-13 100% Scholarship at Beaconhouse School System for Exceptional Academic Performance to study for Alevels.

Other Projects

Football Analytics Designed and implemented a new game model to measure performance and style of play of teams and give recommendation on which player to buy.
32 bit Processor Designed and implemented an 32-bit MIPS single cycle processor using Protues
3D Cloth Simulation Designed and implemented collision aware cloth simulation using OpenGl 3.xx based on mass-spring model
NachOS A working operating system which support system-calls and multi-programming in C.
Piazza A Q&A platform for students and teachers in Ruby on Rails
Traffic Control Designed and Created working prototype of Intelligent Traffic Control System using integrated circuits.
Password Cracker Programmed an efficient and fault-tolerant distributed password cracker based on MapReduce model.
RealSteel Two Player Fighting Game on MATLAB

Technical Skills

Languages P4, Java, C, C++, Python, Ruby, Bash, MySQL, Haskell, HTML, CSS, JavaScript, Node.Js, Assembly.
Others: MATLAB, Rails, Proteus-ISIS, MS Office, Network Simulator (NS2), Emulab, LaTeX.