

ASAD SALMAN

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EDUCATION

Northeastern University Masters in Cybersecurity <i>GPA: 3.9</i> <i>Selected coursework:</i> Software Vulnerabilities, Network Security, Distributed Systems	Boston, MA Sep 2018 - May 2020
National University of Science and Technology Bachelors in Software Engineering	Islamabad, Pakistan Sep 2014 - June 2018

SKILLS

Programming Languages:	C, C++, C#, Python, Golang, Java, JavaScript, PHP
Mobile Development:	Android SDK & NDK
Operating Systems:	Linux, Windows, macOS
Web Development:	AngularJS, Wordpress, Bootstrap, Laravel
Big Data:	Spark, Hadoop
Database:	MySQL, CouchDB
Misc:	AWS, Docker, Penetration Testing, Bash, \LaTeX , Git, Digital Forensics

EXPERIENCE

Northeastern University <i>Research Assistant</i> Worked on quantifying network properties of the Ethereum peer-to-peer network, and their effect on the security of the blockchain. Worked with Prof. Cristina Nita-Rotaru.	Sep 2018 - Present
NUST - School of EE & CS <i>Research Assistant</i> Devised and implemented schemes to protect the Bitcoin protocol from certain DoS Attacks. Project involved using Bloom Filters to replace memory-heavy lookup operations performed on incoming transactions on Bitcoin nodes.	June 2017 - August 2018
Google Summer of Code - GNU Project Wrote a V8 Engine wrapper in C++ for GNU's Ring, an open-source, distributed, privacy-preserving calling app. At the end of the project, the previously OS-specific application could be deployed on any platform that supports running NodeJS using Electron framework. Later went on to write an Ethereum-based, distributed nameservice for the same project.	Summer 2017
Tranchulas <i>Cybersecurity Intern</i> Learnt about penetration testing and application security. Practiced through hacking competitions (CTFs). Also, covered forensics, and lock picking.	Summer 2016
Research Internship in Science and Technology <i>Research Intern</i> Ran Big Data jobs on Hadoop cluster as part of a research project. This work was done as part of a high school research experience with Dr. Salman Toor.	Summer 2014

AWARDS

Cisco Global Cybersecurity Scholarship Got a scholarship to study for and attempt exams of Cisco's associate level CCNA Cyber Ops certification.	2016
Women's Transport Innovation Hackathon Winner Developed Android app that made women's use of public transport safer in Pakistan. The hackathon was sponsored by Toyota and UN Women.	2015
SEECs Social Hackathon Winner Won SEECs Social Hackathon against 50 other teams. Developed Android app that helps students prepare for universities' competitive entrance exams.	2015

GRANTS

Scaling Bitcoin Travel Subsidy Awarded travel subsidy to attend Scaling Bitcoin 2017 Workshop at Stanford.	2017
Netsys'17 Student Travel Grant Awarded an ACM SIGCOMM sponsored grant to attend NetSys'17 in Göttingen, Germany.	2017
ACSAC Student Conferenceship Award Awarded a grant to attend Annual Computer Security Applications Conference 2016 in Los Angeles.	2016
Debconf'17 Grant Awarded a grant to attend open-source conference DebConf'17 in Montreal, by event sponsor Savior-Faire Linux.	2017