

ASAD SALMAN

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EDUCATION

Northeastern University Masters in Cybersecurity <i>Selected coursework:</i> Distributed Systems, Software Vulnerabilities, Network Security	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:	Kotlin, Java, Python, C++, C, JavaScript, PHP
Mobile Development:	Android SDK
Operating Systems:	Linux, macOS, Windows
Web Development:	AngularJS, Bootstrap
Big Data:	Spark
Database:	MySQL, CouchDB
Misc:	Gradle, AWS EC2, Docker, Bash, L ^A T _E X, Git

EXPERIENCE

Twitter <i>Software Engineer II</i> As a member of the the Privacy organization at Twitter, I work on the compliance enforcement infrastructure.	March 2022 - Present
eBay <i>Software Engineer III</i> <i>Software Engineer II</i> Part of the internal tools team, I write tools that make Android testing faster and more effective. One project I spearheaded reduced Pull Request testing duration by ~40%. This project involved writing tools from scratch, contributing to public open-source projects and integrating into large codebases.	Sep 2021 - March 2022 June 2020 - Aug 2021
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. Published paper in FC'21: https://asad.co/pub/ethereum-financial-crypto.pdf	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

AWARDS

Cisco Global Cybersecurity Scholarship	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	2015

GRANTS

Scaling Bitcoin Travel Subsidy	2017
Netsys'17 Student Travel Grant	2017
ACSAC Student Conferenceship Award	2016
Debconf'17 Grant	2017