

Altamash Ali

Email: altamashaali@gmail.com • Website: altamashali.com

Education	Texas A&M University, College Station	August 2018 - December 2021
	B.S. Computer Science (Minors: Cybersecurity, Mathematics)	GPA: 3.898

Experience	American Express	Phoenix, AZ
	Technology Intern, Application Security and Software Analysis	July 2020 - August 2020
	<ul style="list-style-type: none">• Oversaw development and operation of vulnerability scanning tools in application development cycle• Conducted an analysis and evaluation of a Static Application Security Testing (SAST) tool• Constructed a report detailing recommendations on how to reconfigure SAST to obtain optimal results• Designed immersive front end Splunk dashboard panels using data ingested from various sources• Wired back end of Splunk dashboard using REST API to ingest and index data from WhiteHat and Jira• Developed a Dynamic Application Security Testing (DAST) tool to scan and discover all URL endpoints	
	Texas A&M University – Security Operations Center	College Station, TX
	Student Security Analyst	November 2018 - August 2020
	<ul style="list-style-type: none">• Selected through the Cybersecurity Apprenticeship Program to work as a student tier-one analyst• Investigated security events from campus-wide data sources including Vectra and Proofpoint• Gained exposure to various tools and alert types through daily investigations of network alerts• Monitored campus network for any signs of potential compromise or breaches in policy• Responded to threats, assisted in incident response & forensics investigations, mitigated risks• Developed scripts in Python in order to automate routine tasks and assist in data collection	
	University of Houston – Data Visualization and Modeling Lab	Houston, TX
	Senior Capstone Project Intern	August 2017 - May 2018
	<ul style="list-style-type: none">• Researched and analyzed the effectiveness of vector fields in data visualization• Worked under Dr. Guoning Chen, a scientific data visualization analyst and researcher• Focused on big data analysis and visualization techniques in urban planning and traffic dynamics• Developed a capstone project centered around Sustainable Urban Development	

Projects	Lumichain – A cryptocurrency token built on the Ethereum blockchain
	<ul style="list-style-type: none">• Developed a cryptocurrency token called Lumi Token using the Solidity programming language• Follows the Ethereum ERC-20 token standard allowing for basic sending and receiving transactions• Deployed token to Rinkeby Test Network using the Web3.js framework and MetaMask extension• Next steps are to develop a private blockchain network with infrastructure developed in C++• Envision turning this into a comprehensive platform advocating for the advancement of blockchain
	Augmented Snake Game – The classic computer game rebuilt on modern machine learning
	<ul style="list-style-type: none">• Developed game using Python for Deep Reinforcement Learning and MPI for code parallelization• Distributed a machine learning game program to run simultaneously on multiple Raspberry Pi nodes• Enhanced this system using a feedback loop which would repeatedly take the algorithm from the highest scoring node and distribute it to fellow underperforming nodes
	Crazy Taxi Game – The revival of the well-renowned Facebook game
	<ul style="list-style-type: none">• Developed a racing game in Java where the player's objective is to continually drive along a road• Player should use arrow keys to control movement of the car object and avoid hitting obstacles

Skills	Languages: C++, Java, Python, JavaScript, HTML/CSS, Bash/Shell, Scheme
	Tools/Frameworks: Git, Linux, UNIX, Splunk Enterprise (certified), ExtraHop (certified), SonarQube
	Courses: Data Structures & Algorithms, Computer Organization, Discrete Mathematics, Linear Algebra

Honors	Eagle Scout (Earned 20+ merit badges, 50+ recognition badges, served as Senior Patrol Leader)
	DECA International Finalist (Placed Top 10 in the World in Sports Marketing)
	Texas A&M University Dean's List (Fall 2018, Spring 2019, Fall 2019)
	NASA High School Aerospace Scholar Finalist

Links	GitHub: github.com/altamashali
	LinkedIn: linkedin.com/in/altamashali