

# Altamash Ali

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## EDUCATION

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### Texas A&M University – College Station

Aug 2018 – Dec 2021

*Bachelor of Science in Computer Science, Minors in Cybersecurity and Mathematics*

*GPA: 3.92*

## EXPERIENCE

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### JPMorgan Chase & Co.

Houston, TX

*Incoming Software Engineer Intern*

*Jun 2021 – Aug 2021*

- Work on trading algorithms to strategize on how big data can make our trading systems quicker
- Work on payment solutions to help create the next innovation in payments for merchants
- Develop digital and mobile features giving user more control over how they bank with us
- Support the integration of our private and public cloud platforms and automated recovery solutions

### American Express

Phoenix, AZ

*Software Engineer Intern*

*Jul 2020 – Aug 2020*

- 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*

*Nov 2018 – Aug 2020*

- 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

## PROJECTS

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### Lumichain | *React.js, Web3.js, Solidity*

May 2020 – Jul 2020

- Summary: Developed a cryptocurrency token on the Ethereum blockchain using the Solidity 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 | *Python, MPI*

Jan 2019 – May 2019

- Summary: Rebuilt the classic computer game on modern machine learning and parallelization techniques
- Developed using Python for Deep Reinforcement Learning and Message Passing Interface 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 | *Java*

Jan 2017 – Jun 2017

- Summary: Rebuilt the well-renowned Facebook game in Java
- 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

## TECHNICAL SKILLS

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**Languages:** Java, Python, C/C++, JavaScript, HTML/CSS, Bash/Shell, Scheme

**Tools:** Git, Linux, Splunk, ExtraHop, Sonar Qube, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

**Coursework:** Data Structures & Algorithms, Computer Organization, Discrete Mathematics, Linear Algebra