# Altamash Ali

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## Education

**Texas A&M University—College Station**                                          December 2021

*Bachelor of Science in Computer Science | Minors in Cybersecurity & Mathematics*          GPA: 3.898

*Relevant Coursework*: Data Structures and Algorithms, Computer Organization, Programming Languages, Linear Algebra, Discrete Mathematics, Differential Equations, High-Performance Computing

## Experience

**American Express**                                                              **Phoenix, AZ**

*Application Security Engineering Intern*                               July 2020 - August 2020
- Monitor, detect, and respond to security events and incidents that affect Amex globally
- Drive risk reduction through the rapid identification and remediation of any vulnerabilities found
- Safeguarded company assets through continuous monitoring/testing of application environment
- Deliver secure network solutions to enable secure operations/make products available for customers
- Minimize risk of cyberattacks and focus on detection and response of threats

**Texas A&M University**                                                  **College Station, TX**

*Student Security Analyst*                                          November 2018 – August 2020
- One of 10 students selected to be analysts in Texas A&M's Cybersecurity Apprenticeship Program
- Investigated security events from campus-wide data sources which include Splunk and Proofpoint
- Monitor the 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 to automate routine tasks and assist in data collection

**Data Visualization and Modeling Lab**                                        **Houston, TX**

*Capstone Project Intern*                                              August 2017 - May 2018
- Shadowed under Dr. Guoning Chen, scientific data visualization analyst and researcher at UH
- Researched and analyzed the effectiveness of vector fields in data visualization
- Focused on big data analysis and visualization techniques in urban planning and traffic dynamics
- Developed a capstone project about Sustainable Urban Development

## Skills

**Proficient**: C++, Java, Python, Scheme, HACK Assembly
**Familiar**: HTML, CSS, Bash, Linux, Splunk, ExtraHop, Wireshark

## Projects

**Augmented Snake Game** (Python, MPI)
- 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** (Java)
- Developed a racing game in Java where the player's objective is to continually drive along a road
- Player should use the arrow keys to control the movement of the car and avoid hitting obstacles

## Additional Information

- Fluent in Urdu, Hindi, Gujarati; Proficient in Spanish
- 3-time Texas A&M University Dean's List
- Eagle Scout and Former Senior Patrol Leader for Troop 797
- DECA International Finalist (April 2017)