ASHTON SMITH

Texas A&M Student & *Cyber Professional*

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Interim TS/SCI Security Clearance

MISSION STATEMENT

A highly curious and persistent individual who is dedicated to constant personal & team development, exceeding expectations and standards, and developing solutions for the future. Eager to apply various skills to the world of cyber and software, as well as future leadership positions within the government and private sector.

EMPLOYMENT HISTORY

Student Technician   **Jan 2025 - Current**

Bush Combat Development Complex   Texas A&M University System

- ❖ This role closely emulates a junior software engineer. More in depth, I have developed various software applications, learned common frameworks, expanded my coding knowledge and library, integrated with embedded systems and technology, and successfully managed project goals and timelines.

Internship   **Jul 2024 - Aug 2024**

Air Force Institute of Technology   Wright Patterson AFB, Ohio

- ❖ Internship centered on advanced cybersecurity techniques, technology, and team development. Advanced skills in threat protection, penetration testing, secure coding, ICS/SCADA, embedded systems, and forensics. Collaborated daily with my team on complex challenges and hands-on exercises. Culminated in a three-day hack fest that allowed my team and I to apply our skills in real time.

Business Owner/Operator   **Jan 2020 - Dec 2023**

Bad Idea Garage   Dallas & Fort Worth, Texas

- ❖ Developed and managed a clientele list of over 50 vehicles throughout the DFW area in High School and College in order to provide automotive detailing. Learned important skills such as effective time management, goal development/attainment, reporting, budgeting, marketing, and attention to detail.

KEY PROJECTS & ACTIVITIES

'ROS-bagging (Data Collection) for Unmanned Ground Vehicles and Drones'

Current, Bush Combat Development Complex

- ❖ This project's end state is to first integrate a Trideum DAS with multiple Docker containers running different flavors of Robot Operating Systems (ROS/2). Then, conduct customized rosbagging across various nodes including autonomous ground vehicles and drones in tandem. Current progress is a successful ROS capture from all nodes/data streams, currently working to optimize.
- ❖ This is in coordination with TA4, the 'Coordinated Air-Ground Vehicle Maneuvering' research team.

'Real Time Drone Tracking Web Application, FlightAware Clone'

Current, Bush Combat Development Complex

- ❖ Designed a publicly available web application that tracks the position and telemetry data of drones in real time and displays the data in a creative manner. This project utilized Python, Flask, various APIs, Java Script, HTML, CSS, advanced mathematics, and networking fundamentals.
- ❖ This is in coordination with TAMU Corpus Christi's Autonomous Research Institute (ARI).

'Using Machine Learning and Facebook to Predict the Weather'
Completed, TAMU Build4Good Hackathon
- ❖ By creating a python application which used Facebook's Prophet algorithm and APIs to train a computer which accurately predicted weather, my team and I won first place at the Texas A&M Build4Good Hackathon.

LEADERSHIP POSITIONS

Battalion Commander   **Aug 2024 - Current**
Warrior Training Battalion   TAMU Army ROTC
- ❖ Overseeing over 600 cadets across multiple Companies. Providing strategic vision and operational direction to a dedicated staff and subordinate commanders. Through mentorship and training, empowering future leaders to uphold the distinguished legacy of Texas A&M ROTC and the Corps.

Squad & Team Leader   **Aug 2022 - May 2023**
Rudders Rangers   *Special Unit of TAMU Army ROTC*
- ❖ One of the earliest leadership positions I held within the Corps and Rudders. This position put me in charge of a group of around 8 highly motivated Cadets. Multiple times per week I helped run Army labs going over tactics and procedures, EIB standards and tests, and building morale through PT, etc.

TECHNICAL AND SOFT SKILLS

- ❖ Building efficient teams, developing self and others, fostering a positive environment, getting effective and outstanding results, in-depth time management, extreme attention to detail, and ethical leadership.
- ❖ Coding Languages: Python, C++, Rust, SQL, Java Script, HTML, CSS
- ❖ Tools/Frameworks: Flask, ROS/2, Docker, Git/Github, Various CLI Tools, Wireshark, Nmap
- ❖ Operating Systems: Heavy work in Linux (Ubuntu, PopOS, DAS) and Windows environments
- ❖ Personal Github: https://github.com/ashtontheanalyst

EDUCATION

B.S. Economics, Minor in Cybersecurity   **Dec 2025**
Texas A&M University   College Station, TX
- ❖ Participation for four years in the Corps of Cadets, Company I-1, and various other org.'s including Rudders Rangers, Army ROTC (Warrior Training Battalion), and the Corps Intentional/Ethical Leadership Conference.
- ❖ Out of Corps involvement in the Cyber Leader Development Program (CLDP) and TAMU Cyber, HTB, CTF, and Cisco Clubs during various years.

AWARDS & CERTIFICATIONS

- ❖ Eagle Scout, Air Force ROTC Senior Cyber Badge, Corps of Cadets Commandant's Key Award, Distinguished A&M Student Ribbon (x4), Rudders Rangers Pin, Company I-1 Merit Award, and Build4Good Hackathon Winner.
- ❖ CompTIA Security+, CompTIA PenTest+ (In-Progress), Google Data Analytics Professional Cert., Google Fundamentals of Cybersecurity, Beginner & Int. SQL, and Excel.