ASHTON SMITH

Texas A&M Student & Junior Software Engineer
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MISSION STATEMENT

Junior software engineer with valuable experience in developing live applications and tools. Skilled in designing solutions to complex problems and contributing to high-performing teams, all while investing in constant personal development within various fields.

EMPLOYMENT HISTORY

Junior Software Engineer (Student Intern)   **Jan 2025 - Current**
Bush Combat Development Complex   Texas A&M University System
- ❖ Completed the full software development lifecycle for multiple applications from plan to deployment within a team of six. Developed applications within common frameworks, integrated with various embedded systems, and utilized autonomous aerial and ground vehicles.
- ❖ Skills: Python, C++, Docker, Git, ROS1/2, JavaScript, HTML/CSS, Linux, DAS, APIs

Internship   **Jul 2024 - Aug 2024**
Air Force Institute of Technology   Wright Patterson AFB, Ohio
- ❖ Internship centered on advanced cybersecurity techniques, technology, and team development. Culminated in a three-day hackfest in which my team of five took second place.
- ❖ Skills: OT/IT, ICS/SCADA, Forensics, Cryptography, Pen Testing

KEY PROJECTS & ACTIVITIES

'Live Drone Tracking Web Application'
Bush Combat Development Complex
- ❖ In coordination with the Autonomy Research Institute, my intern team developed a publicly available web application that tracks live drone flight telemetry data on various maps, pages, and graphs.
- ❖ Skills: Python, Flask, Java Script, HTML/CSS, Databases, Excel, Networking, CRUD App

'ROS Data Collection for Autonomous Ground and Aerial Vehicles'
Bush Combat Development Complex
- ❖ In coordination with the Unmanned Systems Team, I configured custom ROS1&2 Docker containers, in order to accurately record live autonomous vehicle communications/instruction packets.
- ❖ Skills: Docker, Linux, C++, ROS1/2, Virtual Environments, Autonomous Vehicles

'Facebook Prophet Machine Learning Algorithm to Predict the Weather'
TAMU Build4Good Hackathon
- ❖ My team of three students utilized the Facebook Prophet machine learning algorithm to create an application that accurately predicts the weather in Texas. This project culminated in first place.
- ❖ Skills: Pandas, Numpy, Matplotlib, Jupyter Notebook, Facebook Prophet, Machine Learning

EDUCATION

B.S. Economics, Minor in Cybersecurity   **Dec 2025**

Texas A&M University   College Station, TX

- ❖ Leadership within the Corps of Cadets, Company I-1, Rudders Rangers, Army ROTC, and the Corps Intentional/Ethical Leadership Conference.
- ❖ Member of the Cyber Leader Development Program (CLDP). Various involvement in the TAMU Cyber, HTB, CTF, and Cisco Clubs during different years.

NOTABLE LEADERSHIP POSITION

Battalion Commander   **Aug 2024 - May 2025**

Warrior Training Battalion   TAMU Army ROTC

- ❖ Head leadership position within the organization, most closely associated with a junior CEO or President. Oversaw the development and training of over 600 Cadets while working with a diverse group of individuals including Army Officers and Enlistedmen, Cadets, and the Corps of Cadets.

CERTIFICATIONS

- ❖ CompTIA Security+ and PenTest+ (In Progress)
- ❖ Google Data Analytics and Fundamentals of Cybersecurity
- ❖ Coddy Beginner & Intermediate SQL
- ❖ Advanced Excel in Accounting

AWARDS

Build4Good Hackathon Winner, Eagle Scout, Air Force ROTC Senior Cyber Badge, Corps of Cadets Commandant's Key Award, Distinguished A&M Student Ribbon (x4), Rudders Rangers Pin, and Company I-1 Merit Award.