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# ASHTON SMITH

*Texas A&M Student & Junior Software Engineer*

[ashtonrwsmith.co@gmail.com](mailto:ashtonrwsmith.co@gmail.com) | (480) 450-2472

[github.com/ashtontheanalyst](https://github.com/ashtontheanalyst) | [linkedin.com/in/ashtonrwsmith](https://linkedin.com/in/ashtonrwsmith)

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## MISSION STATEMENT

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

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## EMPLOYMENT HISTORY

### Junior Software Engineer (Student Worker)

**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 (web/local) applications within common frameworks, integrated with various embedded systems, and utilized autonomous aerial and ground vehicles.
- ❖ Skills: Python, C++, SQL, 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

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## 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, SQL, 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

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## EDUCATION

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### **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.

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## NOTABLE LEADERSHIP POSITION

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### **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.

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## CERTIFICATIONS

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

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## AWARDS

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**Build4Good Hackathon Winner, AFIT Hackathon Second Place**, 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.