

Ryan Wiley

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Objective

Extremely self-motivated and driven to succeed. Constantly striving to reach the next level of proficiency and performance. My skills and interests lie in the quaternity of space, aerospace, cyber, and blockchain technology. I believe these domains represent the materialization of humankind's most promising potential for the 21st century and beyond.

Education

Western Governors University
B.S. Cybersecurity & Information Assurance
Graduated February 2019

University of Alaska Anchorage
B.S. Computer Science
Studied May 2017 – May 2018

Liberty University
B.S. Psychology
Graduated September 2016

Certifications: GSEC|GCIH|GPEN, eJPT, SSCP, A+|Sec+|Linux+|Pentest+, CCNA/DEVASC, TS/SCI Clearance

Experience

CVPA Vulnerability Assessor | Penetration Tester June 2021-Present
Software Engineering Services – 346 Test Squadron *San Antonio, Texas*

- Perform code reviews and security testing on COTS and proprietary systems for published and zero-day vulnerabilities.
- Conduct penetration testing and ethical hacking of operating systems, web and binary applications, and databases.
- Create reports for system owners and management on any vulnerabilities or misconfigurations found during assessments.
- Contribute security architecture, defense-in-depth, and OS hardening techniques to knowledge repository.

Combat Operations Controller | Fires Coordinator April 2018-Present
United States Air Force Reserve, 854 Combat Operations Squadron *San Antonio, Texas*

- Manage 35 full-spectrum cyber operations, monitor mission execution, and provide deliberate on-call mission support to 7 combatant commands.
- Supervise 24/7 command and control of cyber forces and de-conflict daily operations requests in accordance with Secretary of Defense directed priorities and operations capabilities.
- Safeguard execution of cyber tasking order for other government agencies to meet national signals intelligence requirements for combatant commanders and the President of the United States.

Cyber Protection Engineer September 2020-June 2021
Peraton, Advanced Cyber Effects (ACE) Group *San Antonio, Texas*

- Research and identify vulnerabilities on avionics and embedded systems.
- Develop cyber exploits for avionics and embedded systems.
- Conduct penetration tests on avionics and embedded systems.
- Contribute to the design, development, implementation, and integration of Offensive Cyber Operations tools and Defensive Cyber countermeasures on weapons systems.

Network Security Research Engineer – Software Engineering August 2019-September 2020
CACI International, LGS Innovations *San Antonio, Texas*

- Research modern network security issues and develop cutting-edge software and tools to solve problems on a national and global scale.
- Perform application vulnerability analysis and network penetration testing on specified systems and software to develop a proof-of-concept for new vectors of attack.

Sensor Technician | IDS/IPS Network Engineer April 2019-August 2019
Dependable Global Solutions, 33rd Network Warfare Squadron *San Antonio, Texas*

- Operate and maintain Intrusion Detection/Prevention Systems, Firewalls, and other network security appliances in support of Air Force Cyber Network Defense(CND).
- Perform simulated traffic testing on global regional networks to ensure sensors are properly alerting on malicious traffic.

System Operator June 2018-March 2019
Christus Health Information Technology Center, Network Operations Center *San Antonio, Texas*

- Monitor various network management and security systems such as Infor Cloverleaf, SolarWinds, Citrix Director, Cisco Prime Infrastructure, Trend Micro Deep Security, Systems Center Operations Manager, and Epic System Pulse.
- Review and analyze log files on Windows and Linux hosts to track events and discover issues.

Trumpet Instrumentalist 2007-2015
United States Marine Corps *Miramar, California; Camp Pendleton, California; Okinawa, Japan*

- Play the trumpet for military and public performances at the direction of the Commanding General.
- Perform maintenance, troubleshooting, ticketing, and escalation for the unit's information systems.
- Deployed to Afghanistan to track troop movements and combat-related events on digital and physical maps in the Helmand Province Command Operating Center on Camp Leatherneck.