

ALEX MAYNES

Albuquerque, NM (479) 684-1489 alex.maynes2001@gmail.com

OBJECTIVE

Computer Science student, with extensive military experience as an Avionics Technician, seeking an internship opportunity to apply learned skills and to work with experts in the field.

PROFESSIONAL SUMMARY

- 4+ years' experience as a U.S. Air Force Special Operations Avionics Technician
 - Possess Active DOD Secret Clearance (Expires Jan/2025)
 - 4+ years' experience leading specialized teams, troubleshooting, and facilitating aircraft functionality
 - Solid background in software/hardware research, development, troubleshooting, process improvement, team executive leadership, and advising senior leadership
 - Proficient in comprehensive risk management ensuring the protection and safe maintenance of assets worth over \$3B
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WORK HISTORY

Student Researcher, 09/2024 to Current
University Of New Mexico (UNM)
Albuquerque, NM

- Leading current research on hand gesture-controlled technology for the Dobot Magician Robotic Arm, aiming to develop affordable solutions for hazardous tasks to reduce human exposure to toxic environments
- Collaborating on integrating a module into UNM Mechanical Engineering classes showcasing hand gesture-controlled robotic technology to undergraduate students
- Inquiring about opportunities to present at conferences to highlight potential applications and broader impact

Weapons Controller, 11/2022 to 06/2024
United States Air Force
Albuquerque, NM

- Used data collection & analysis techniques to monitor and assess aircraft maintenance and mission data to facilitate real-time decision-making
- Co-developed and implemented a world-wide program that automated aeronautics maintenance data collection

EDUCATION

Bachelor of Science,
Computer Science, Expected
in 05/2026
University of New Mexico -
Albuquerque, NM
GPA: 4.0

TECHNICAL PROFICIENCY

- Java/Python/C++
 - Hardware/software troubleshooting
 - Data collection and analysis
 - Project management
 - Project development
 - Project sponsorship
 - MS Office 365
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STRENGTHS

- Leadership skills
 - Management skills
 - Critical thinker
 - Creative problem solver
 - Team oriented
 - Goal oriented
 - Resilient
 - Adaptable
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processes with a 120% increase in speed and accuracy to treat a manning crisis

- Effectively managed a team of 3 weapons controllers, overseeing the operations center during periods of extended senior leadership absence
- Demonstrated proficiency in briefing executive leadership on real-time data, ensuring seamless communication and operational continuity

CV-22 Avionics Specialist, 12/2019 to 11/2022

United States Air Force

Albuquerque, NM

- Demonstrated expertise in troubleshooting and repairing avionics systems in the CV-22 Osprey
- Ensured over 4000 flight hours and facilitating aircraft operational readiness 24/7 including holidays and national emergency times
- Collaborated with cross-functional groups to implement maintenance best practices, streamline technical processes, and improved efficiency
- Instrumental in reduced aircraft downtime and increased mission success rates

CERTIFICATIONS & AWARDS

- CV-22 Avionics Journeyman, USAF, 2023
 - Medal of Meritocracy, 2023
 - Risk Management and Mitigation Course, USAF, 02/01/26
 - Cyber Awareness Course, USAF, 02/01/25
 - Suicide Awareness and Prevention Course, USAF, 02/01/25
 - Military Service: Certificate of Appreciation, 2020
 - Law of War Course, USAF, 2020
 - FIRST Robotics Runner-Up World Champion, 2018
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