

Uriah Whitaker



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SUMMARY

Aspiring Mechanical Engineer with a strong background in law enforcement and security, eager to apply engineering skills and problem-solving expertise to advance the aerospace industry's cutting-edge projects and innovations. Dependable Detention Officer accomplished enforcing institution rules and supervising the daily activities of over 1200 inmates. Adept at thoroughly inspecting the premises for contraband and unsanitary conditions, performing specimen collections and processing inmates. Communicative and just with sound knowledge of inmates' rights.

SKILLS

- Mechanical engineering principles
- Proficiency in engineering software (AutoCAD, SolidWorks)
- Strong problem-solving and analytical skills
- Attention to detail and precision
- Budget management and project coordination
- OSHA safety standards

EXPERIENCE

June 2014 - June 2022

Detention Officer Coconino County Sheriff's Office | Flagstaff, AZ

- Ensured safety and security within the detention facility by conducting inspections and supervising inmate activities, maintaining compliance with regulations
- Managed inmate transports, court appearances, and intake procedures, showcasing leadership skills and process management
- Oversaw a \$126,000 fiscal budget, including procurement and inventory management, collaborating with vendors for product procurement
- Conducted training for new Officers and academy classes, maintaining Department of Public Service records
- Led recruitment, hiring, and training initiatives, supervised squads, resolved conflicts, and upheld OSHA standards
- Interpreted court orders, maintained firearms inventories, and served on hearing boards for disciplinary infractions
- Trained Detention Officers in firearms as a Firearms instructor since 2017.

September 2004 - December 2011

Sergeant - U.S. Army Okinawa, Japan (APO, AP)

- Managed training and operations for the Defense Switch Networks Section, overseeing comprehensive training records for soldiers
- Developed unit mobilization plans and maintained communication equipment, including VoIP systems
- Conducted preventive maintenance on equipment, diagnosed and resolved network switch issues, and ensured OSHA compliance
- Supervised a team of four U.S
- Soldiers, fostering their personal and professional development
- Maintained control of assets valued at over \$500,000.

EDUCATION AND TRAINING

Expected in May 2024

Bachelor of Science in Mechanical Engineering

Northern Arizona University, Flagstaff, AZ

Capstone - Boeing Apache Heat Exchanger

CERTIFICATIONS

- NRA Basic Pistol/Defense in the home instructor
- Glock Armor
- Simunitions Instructor
- Range Safety Officer
- Taser Instructor

- Strong teamwork and technical communication
- Crisis Intervention
- Surveillance
- Record Maintenance
- Restraint Techniques
- Inmate Escorting
- File Maintenance
- Records Maintenance
- Public Safety
- Crime Prevention
- Behavior Modification
- Equipment Operation
- Negotiation
- Excellent Problem Solver

ACCOMPLISHMENTS

Officer of the Year, 2017

PROJECTS

- Personal Quadcopter Design Project, Independent Project, 01/2022 - 09/2022, Designed, built, and tested a quadcopter, optimizing flight performance using engineering principles., Utilized SolidWorks for 3D modeling and prototyping., Managed fabrication, assembly, flight testing, and control algorithm fine-tuning.
- Boeing Apache Heat Exchanger Capstone Project, Northern Arizona University, 08/2023 - 05/2024, Led a team in optimizing the heat exchanger design for Boeing Apache helicopters., Collaborated with Boeing engineers, conducted research, designed and simulated heat exchanger configurations., Fabricated and tested prototypes, improving heat transfer efficiency and reducing weight.