GUARDIAN X-1

Capability Statement

UEI: GZS3V6NPZAF1 | CAGE: 0Y4Q1

About

Guardian X-1 specializes in **AI-driven autonomous systems for security and defense** applications.

Our expertise spans **real-time detection, tracking, predictive modeling, and AI dataset creation** for counter-UAS operations & AI/ML development.

Our mission is to enhance capabilities against **near/peer adversaries** in **contested or denied environments.**

Experience

- TRL 4 achieved in counter-UAS detection & tracking

- Certified **Project Management Professional (PMP), Lean Six Sigma Black Belt** Level 1 (LSS BB), and **Agile methodology** expertise on staff

- Advanced AI dataset preparation & development

- Optimized real-time AI object recognition & tracking

Core Competencies

- Advanced Detection & Tracking
  - **Real-time** UAS detection
  - **Multi-target** tracking
  - Target **Re-identification**
  - Predictive **trajectory analysis**
  - **Embedded & Edge-computing**
- AI-Ready Data Solutions
  - **Synthetic Dataset** Generation
  - Existing Dataset **Annotation & Augmentation**
  - **Model Development** & Training

Differentiators

- Purpose-built for **counter-UAS** and Target Tracking requirements

- Advanced re-identification system for maintaining **track continuity**

- **Scalable AI Data Pipelines** with custom synthetic datasets

- **Rapid development cycle** with continuous capability enhancement

CYBERSECURITY MATURITY MODEL CERTIFICATION