

HS Tech Capabilities Statement:

ZeroEyes is an AI/ML-focused venture backed company that specializes in developing and deploying proactive threat detection analytics that are integrated into existing surveillance systems. At ZeroEyes, we develop proactive solutions to prevent mass shootings and gun-related violence by reducing response times, providing actionable intel, and delivering clarity among chaos, ultimately saving lives. ZeroEyes enhances security force operations with a persistent, proactive, and autonomous threat identification capability that takes advantage of existing security camera infrastructure enabling the DoD to identify threats like active shooters, intruders, unauthorized vehicles, adversaries using cell phones and cameras, and drones. Because ZeroEyes is an API driven software capability, it is extremely cost-effective and scalable across a wide range of existing IoT sensors and common operating picture systems.

ZeroEyes possesses a robust data generation ecosystem, which includes an onshore, internal annotation team, a fully- equipped green screen lab, a patent-pending dynamic annotation management and data analysis platform, as well as established analytic processes that inform future data generation parameters. ZeroEyes has successfully fulfilled data generation orders for the DoD throughout its period of performance with the Joint Artificial Intelligence Center (JAIC). By utilizing its proprietary annotation techniques and methods, ZeroEyes' current data generation cadence is dictated by evaluation and analysis of both the properties of existing training data, as well as trained model performance. As well as common data collection techniques, ZeroEyes has incorporated an in-house synthetic-data pipeline to increase data throughput as well as generate data that is otherwise very hard to collect. This pipeline ensures all edge-cases, environments, and sensor technologies are represented within the data used to train DeepZero's object detection models.

ZeroEyes is currently on contract with the Air Force under the Base of the Future effort at Tyndall Air Force Base delivering the commercial DeepZero weapons detection software to the base. Additionally, ZeroEyes is currently on contract to deliver Robotic-Automated Perimeter Security solutions through the AFWERX Direct to Phase II SBIR process through early 2024. ZeroEyes is piloting its commercial weapons detection software at MCAS Miramar CA to enhance base security through the Smart Base Initiative sponsored by US Ignite.

"ZeroEyes is a welcomed force multiplier. This system will increase the situational awareness for our response forces through advanced threat detection analytics and automated threat alerting providing both a rapid and accurate response. During an active shooter situation time is critical and saving time means saving lives." Major Jordan Criss, Commander of the 325th Security Forces Squadron