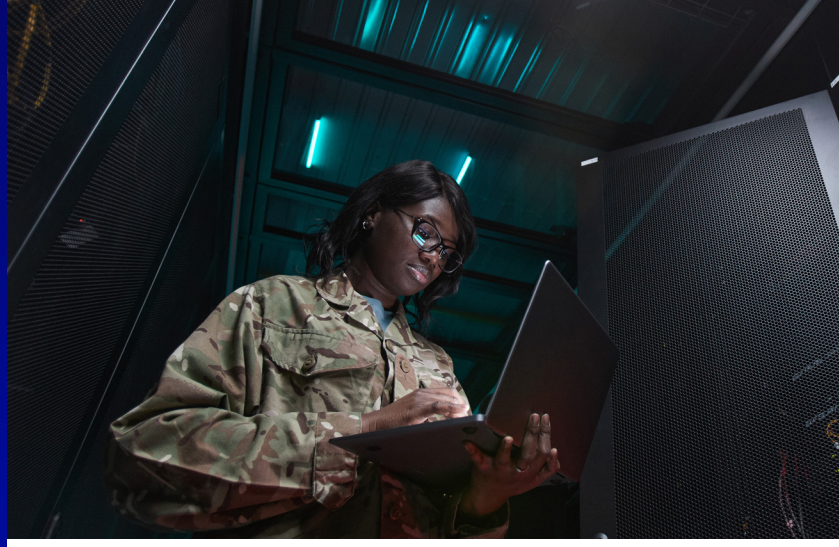
BigBear.ai

Arcas

Computer Vision, Predictive Analytics, and Event Alerting for Autonomous Systems.



CURRENT PROBLEM

Domestic militaries and their allies are responsible for keeping security, transportation, and communication systems running smoothly to support global economic stability. However, they face challenges like scattered data sources, a lack of unified data for easy viewing, and difficulty in quickly identifying behaviors, which stops them from making informed decisions.

OUR SOLUTION

BigBear.ai's computer vision, predictive analytics, and event alerting application, Arcas, eliminates blind spots by using AI/ML to sift through data and flag suspicious behaviors that humans would often miss. High-fidelity algorithms also provide decision-makers with a recommended time frame to ensure mission success.

Create a Coherent View of Your Operational Space.

Arcas utilizes state-of-the-art computer vision, predictive analytics, and event alerting to create overwhelming advantages over adversaries. By combining and analyzing millions of data points, Arcas enables predictive forecasts using AI/ML, interprets vessel video streams, and alerts analysts and decision-makers of potential threats.

Our adaptable analytics framework generates descriptive analytics, which monitor past events, and predictive analytics, which forecast future occurrences. This allows leaders to make informed, confident decisions and lets analysts focus on developing action strategies.

Key Differentiating Capabilities

Robust Vessel Insights

Analyze vessel behavior, spot anomalies (like vessels without AIS), and use machine learning to give operators useful insights.

Open Format Data Collection

Collect, process, and combine data from various sources (sensors, logs, and devices) into a common, open format.

Comprehensive User Interface

Visualize large volumes of data, perform analytics, and receive alerts through any common operational picture (COP) or user interface (UI agnostic)

Precise Operations

Operate from a “single plane of glass” user interface that will arm decision-makers with the information necessary to prevail on the modern battlefield.

Top Use Cases

- Eliminate Blind Spots on the Battlefield
- Plan Missions Within Optimal Time frames
- Interpret, Identify, and Classify Objects

STAY CONNECTED

◊

BigBear.ai

info@bigbear.ai

CONTACT US HERE →