

ResCon Technologies is hiring a Lead Computer Vision Developer

Location: On-site / Hybrid

Reports To: CTO

Mission of the Role

This role exists to architect and deploy next-generation computer vision and machine learning capabilities directly onto low-power edge systems—enabling real-time object recognition, sensor fusion, and autonomous decision-making in constrained environments.

You will be a core technical leader driving ResCon’s mission to move intelligence out of the cloud and into the field—transforming how edge systems perceive, learn, and act across defense, robotics, and autonomous platforms.

In Your First Year, You Will (What Success Looks Like)

Within 90 days, take ownership of ResCon’s core CV/ML codebase and successfully deploy an initial object recognition model onto at least one edge compute platform (GPU, FPGA, or embedded accelerator).

Within 6 months, develop and optimize a multi-modal ML model (vision + motion/acoustic/accelerometer data) that improves target detection accuracy and reduces false positives under constrained compute conditions.

Within 6–9 months, lead the integration of CV algorithms into a live customer system, demonstrating real-time performance on low-power hardware in operational conditions.

By Year 1, deliver a production-ready edge-deployed ML pipeline capable of supporting object recognition, anomaly detection, and event classification across multiple sensor inputs.

By Year 1, establish scalable workflows for dataset curation, model training, and deployment that accelerate future program execution.

Continuously, partner with customers to define high-value use cases and translate mission needs into deployable ML solutions.

Contribute to growth, by supporting proposal development and helping secure new government and commercial programs aligned with ResCon’s core capabilities.

How You Know You Are Winning

- Models are running reliably on-device—not in the cloud
- Performance meets or exceeds customer-defined accuracy and latency targets
- Systems operate effectively under strict power and compute constraints
- Your work directly enables new contracts, deployments, or mission capabilities

Who You Are (Core Strengths & Competencies)

- Strong ownership mindset—you build and deliver, not just experiment
- Deep technical curiosity with a bias toward real-world deployment
- Ability to simplify complex ML systems into efficient edge implementations
- Collaborative, with the ability to translate between customers, engineers, and leadership
- Mission-driven—motivated by building systems that operate in real environments

Qualifications (Must-Have)

- 5+ years developing and deploying computer vision or ML systems
- Strong proficiency in C/C++ and Python
- Experience with PyTorch, TensorFlow, or equivalent frameworks
- Proven ability to deploy ML models onto edge or embedded systems
- Experience working with multi-modal data (video, motion, acoustic, RF, etc.)
- Background in Computer Science, Engineering, Physics, Mathematics, or similar

Preferred Experience

- Hands-on background with low power / embedded AI systems
- Familiarity with GPU, FPGA, or neural accelerators
- Background in signal processing, control systems, or robotics (ROS)
- Experience in defense, aerospace, or autonomous systems environments
- Track record of contributing to customer-facing deployments or proposals

Why This Role Matters

ResCon is redefining how intelligence is deployed—shifting machine learning from centralized cloud systems to distributed, low-power edge devices.

Your work will directly impact systems operating in the real world—where latency, power, and reliability are not theoretical constraints, but mission-critical realities.

Company Overview

ResCon Technologies is a software company focused on deploying ultra-efficient machine learning algorithms onto edge devices. Founded by leaders in defense, physics, and advanced research, the company is building a new class of intelligent systems that operate independently of cloud infrastructure.