

ORVEXEN

INTELLIGENCE ENGINEERED FOR TRUST

Washington, D.C. metro area · info@orvexen.com · www.orvexen.com · A sister company of Potomac AI Labs

Orvexen engineers trustworthy AI for high-risk, regulated, and mission-critical environments. We translate advanced AI research into practical systems for business automation, cybersecurity, digital trust, and intelligent decision-making — for the defense industrial base, regulated enterprises, and government agencies where innovation must be defensible.

PLATFORMS

CMMCHero

AI-enabled CMMC Level 2 compliance platform — evidence mapping, gap analysis, and assessment-ready readiness reviews against every NIST SP 800-171A objective.

SignalVer

Multi-modal deepfake and impersonation-fraud detection for financial institutions — voice, video, text, social, and identity signals verified before funds move.

RFPfort

Secure AI for federal proposal development — compliance matrices, proposal outlines, and responsiveness review that keeps CUI inside the boundary.

CORE CAPABILITIES

Applied AI Engineering

Governed copilots, agents, and decision systems designed for real operating environments.

AI Governance & Compliance

Policy and regulatory expectations translated into practical controls and evidence.

Cybersecurity Engineering

Security, resilience, identity, monitoring, and response built into the architecture.

Assurance & Enablement

Performance, explainability, and security validated — with teams equipped to operate responsibly.

PROOF POINTS

AI test, evaluation & validation — led TEVV for a generative-AI retrieval initiative, benchmarking semantic vs. full-text search.

Temporal knowledge graph — architected an LLM-powered app with entity/relationship extraction and full data provenance.

Natural-language graph chat — built a conversational interface for analysts to query the knowledge graph in plain language.

~95% analysis time reduction — custom MPNet-based semantic-similarity model saved an estimated 10,000 analyst hours.

LEADERSHIP

Dr. Beza Lefebo *CEO and President*

AI strategy, cybersecurity, governance, executive advisory, applied AI productization.

Dr. John Kuk *Chief Scientist*

Machine learning, AI research, advanced modeling, scientific validation.

Dr. John Kramarczyk *Chief AI Advisor*

AI advisory, technical strategy, cybersecurity analytics, applied research translation.