



CAPABILITY STATEMENT

CORE SERVICES

- **Simulation Software Development:** Expert design and implementation of high-fidelity simulation applications using Unreal Engine (C++) and custom C/C++ solutions.
- **VR/AR Immersive Experiences:** End-to-end development of virtual and augmented reality training and operational simulations, from concept through deployment.
- **Simulation Hardware Integration:** Engineering and integration of full-motion (3DOF/6DOF) and fixed-base simulators, including proprietary hardware interfaces.
- **HiTL (Hardware-In-The-Loop) & SiTL (Software-In-The-Loop):** Simulation testing and evaluation of hardware and/or software.
- **Cyber Security:** Governance, Risk & Compliance (GRC); security architecture/engineering; IAM; secure software development; and incident response support by senior, certified specialists.
- **DevOps & Cloud Solutions:** Containerized CI/CD pipelines, AWS/GCP integration, automated testing frameworks, and backend services.

PAST PERFORMANCE

- **TerraPower:** UE5-based VR & flatscreen nuclear power-plant training simulator (Engineering Lead)
- **302 Interactive:** UE5 C++ multiplayer simulator for amphibious combat vehicle training (U.S. Marines ACV VR)
- **Haiku Inc.:** Unity/C# cyber-security training platform with realistic, expandable Linux OS
- **Camber Corp.:** CIWS and 50-cal gunner VR simulators with DIS/HLA networking for US Navy
- **Amazon Game Studios:** Automated testing for Lumberyard-based AAA titles (Python, C++)
- **Sentek Global:** Web-based cyber-security training portal (.NET Core, JS, AWS, MS SQL)
- **Foresight Sports:** Golf and FSX Mobile simulators with proprietary hardware
- **Nathan Kunes Inc.:** HAIPE encryption test tools for SPAWAR/NSA on Linux (Python, C)

DIFFERENTIATORS

- **Unmatched Engine Expertise:** Deep mastery of Unreal Engine 4/5 and Unity Engine, with proven leadership on large-scale, multiplayer VR projects.
- **End-to-End Capability:** From hardware prototyping and integration, to sophisticated software architectures and networked multiplayer systems.
- **Rapid Prototyping & Research:** Agile development practices and continuous technology evaluation ensure cutting-edge solutions and accelerated delivery.
- **Cross-Sector Experience:** Demonstrated success in defense (Navy, Marines), energy (power plant training), security (cyber training), and commercial gaming/simulation markets.

CORPORATE DATA

UEI: W456HAWBY7U5

CAGE Code: 11JH4

NAICS: 333310, 518210, 541511, 541512, 541519, 541715, 541990

Year Incorporated: November 2021

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Certifications:

- 8(a) Business Development (Pending)
- Veteran-Owned
- Service-Disabled Veteran-Owned