



CYVA Research is a cybersecurity innovation, strategic research and development firm. Our focus is developing disruptive security, privacy and liberty technologies and strategies for our clients. Our patented Personal Information Agent™ (PIA™) technology is an owner-operator controlled, intelligent (White Box AI), self-protecting, self-governing, self-monetizing mobile identity agent (HW/SW). The PIA™ augments people and communities with the capabilities to own, protect, control and monetize their identity and information assets wherever they exist post-decryption. We call this Human Digital Liberty™. These capabilities are the foundation in forwarding disruptive innovate approaches to the challenges of security, privacy, and liberty in our presently hostile cyberspace.

CAPABILITY STATEMENT

CYVA Research is a small business with expertise in cybersecurity strategy, tactics and innovation, mobile and cloud security architecture, secure software development, prototyping, creating disruptive security, privacy & liberty solutions.

DISRUPTIVE INNOVATION

Cybersecurity: Owner-Operator Controlled, Intelligent (AI), Self-Protecting, Self-Governing Mobile Identity Agent

Warrior-Controlled Identity & Information Asset Management Capability (WarriorIAM™): Enhanced Intelligence, Cyber Warfare & HUMINT Operations

Secure, Smartphone-based, Patient-Controlled Emergency Medical Identity & Location Services

User-Controlled, User-Monetized Mobile Advertising: Building Direct, Trusted, Privacy Respectful Merchant & Consumer Relationships

Augmented Cyber Warrior™ Equipping Warfighters and Civilians to Combat the Anti-liberty Surveillance State

Self-Determining Digital Persona™: Personal Information Agent™, PIA™ based Asset Control™, PBAC™

Directly Combating Identity Theft: Primitive Data Objects Not Designed to Self-Protect — Make Self-Protecting

Disruptive Irregular Cyber Warfare: Augmented Cyber Warrior™ and Trust Community (TC) Operator Kit™

Human Digital Liberty™: Putting People in Control of their Personal Information Wherever it Exists Post-Decryption, Lock-at-Will, Erase-at-Will, Audit-at-Will

PATENTS & REGISTRATIONS

U.S. Patents: 5,987,440; 7,289,971; 8,195,569

SAM: Registered Small Business

Unique Entity ID: ZK6KG8Y3L743

CAGE CODE: 3BWK6 **DUNS:** 872807276

MANAGEMENT TEAM

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CORE COMPETENCIES

IoT, Mobile & Cloud Security Architecture, Cybersecurity Assessment, Data Provenance, Interoperability

Artificial Intelligence (AI) Safety, Code Generation and Maintenance, Rule and Logic Conflict Detection, Improvement Indication, Human Understandable

Technology Research: Smartphone Security, HROT, IoT Security, Attestation, Confidential Computing

Trusted Execution Environment (TEE) & Trusted Application Development; Secure, Smartphone-based ad hoc Covert Compartmental Communities

Risk Management: Threat/Vulnerability Assessment, People, Process, Ideology, Legal and Technology

Instructor: Technical Training, Course and Seminar Development

Business Planning and Competitive Cloud, Capability as a Service (CaaS) Strategy Development

Governance, Risk Management & Compliance; EU General Data Protection Regulation (GDPR)

Product & Project Management; Strategy, Competitive Analysis

INDUSTRY CODES

NAICS: 541715, 541511, 518210, 519130, 541330, 541512, 541519, 541611, 541618, 541690, 541720, 611420

PSC: D301, D302, D305, D306, D307, D308, D310, D314, D318, R406, R408, R425

PARTNERS & PAST PERFORMANCE

Industry Partnerships: ARM Ltd., Gemalto, HP Inc., Intel, NXP, Qualcomm, Samsung, Softek Partners Inc., Trustonic

Past Clients/Programs: Air Force (AFC2S), Navy, Army, ISTPA, Qualcomm, KPMG, Microsoft, Cymer