

Risk Factor Research LLC

CAPABILITIES STATEMENT ·
BIOSURVEILLANCE, RISK ANALYSIS, AI
VALIDATION, SECURITY ENGINEERING

RF

DBA Dr. Andrew G. Huff · Michigan, USA ·
contact@andrewhuff.com · andrewhuff.com

COMPANY DATA

Legal name: Risk Factor Research LLC
DBA: Dr. Andrew G. Huff
Founded: 2010
Location: Michigan, USA
Principal: Andrew G. Huff, PhD, MS
Structure: veteran-owned small business
UEI and CAGE: available on request
NAICS: 541690, 541715, 541511, 541611, 541990
Clearance: principal formerly held a DOE Q clearance

ENGAGEMENT MODELS

Advisory retainer, monthly
Fixed-scope assessment with acceptance criteria
Embedded program support

CONTACT

Dr. Andrew G. Huff
contact@andrewhuff.com
andrewhuff.com/consulting

CORE COMPETENCIES

Biosurveillance architecture. Common operating picture design, data standards, sensor-to-decision pathways, and performance measures.

Threat, vulnerability, and risk assessment. Quantitative and qualitative methods across biological, physical, and cyber threats; criticality assessment for food, agriculture, and infrastructure.

AI and data systems. Design, validation, test and evaluation, model risk, and decision support that survives an audit.

Open-source network and influence analysis. Funding and discourse networks mapped from public data with formal hypothesis tests and source grading.

Security technology evaluation. Every system scored on liberty, security, and cost.

PAST PERFORMANCE

- Defense Threat Reduction Agency: principal investigator, \$5.8M biosurveillance program (2014 to 2017). Built GRITS and predictive analytics within the Biosurveillance Ecosystem.
- USAID PREDICT (\$45M program): co-investigator; country coordinator, Jordan and Sudan (2014 to 2017).
- DHS S&T, National Center for Food Protection and Defense: CRISTAL spatial vulnerability assessment; FASCAT evaluation adopted by government and industry stakeholders.
- Sandia National Laboratories, NISAC: modeling, simulation, and risk analysis of biological threats and infrastructure vulnerabilities; classified executive briefings (2013 to 2014).
- Michigan State University: built hospital-epidemiology and infection-prevention programs; federally funded research (2016 to 2019).
- MTRX, Inc.: AI, computer-vision, RF-sensing, and IoT analytics platforms with Microsoft, PepsiCo, Panasonic, and Extreme Networks (2016 to 2024).

DIFFERENTIATORS

- Builder and evaluator: the systems and their peer-reviewed evaluations carry the same name.
- Evidence standard: fact stated plainly, assessment labeled, allegation framed as warranting investigation.
- Fixed fees, objective acceptance criteria, no markup on vendor costs.