RESEARCH CV / SEPTEMBER 2026

Drew Stelly, PhD

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Security researcher working across enterprise AI, agentic offensive AI orchestration, vulnerability research, and reproducible forensic analysis.

SELECTED PUBLICATIONS

Academic publications appear under Christopher Stelly or Christopher D. Stelly.

2019 **A Domain Specific Language for Digital Forensics and Incident Response Analysis**

Christopher D. Stelly. PhD dissertation, University of New Orleans.

A language and execution environment for specifying and reproducing forensic computations.

2019 **Language-based Integration of Digital Forensics & Incident Response**

Christopher Stelly and Vassil Roussev. ARES 2019, ACM.

Connecting forensic tools and incident response through a shared language.

2018 **Nugget: A Digital Forensics Language**

Christopher Stelly and Vassil Roussev. Digital Investigation; DFRWS EU 2018.

Expressing forensic investigations as executable, auditable computations.

2017 **SCARF: A Container-Based Approach to Cloud-Scale Digital Forensic Processing**

Christopher Stelly and Vassil Roussev. Digital Investigation; DFRWS USA 2017.

Using containers to scale digital forensic workloads across cloud infrastructure.

SELECTED WRITING

2026 **Orchestrating AI Agents for Vulnerability Research**

Independent research note. Originally February 2026; revised September 2026.

Reported campaign outcomes, evidence quality, and the limits of automation.

2026 **Beyond security.txt: When the Reporter and the Triager Are Both AI**

Independent essay. February 2026.

A proposal for structured vulnerability intake and clearer researcher attribution.

2025 **Putting the 'I' in CIA for AI Models: A Framework for Model Integrity**

Cyber AI Guy. January 2025.

Drew Stelly, PhD

EXPERIENCE & RESEARCH PRACTICE

CURRENT RESEARCH

Agentic offensive AI orchestration

Design and evaluation of coordinated AI research systems, with an emphasis on shared context, evidence quality, and the reliability of security findings. Independent research since 2025 examines the contributions and limitations of AI assistance in vulnerability analysis.

Related work explores structured vulnerability disclosure and reproducible digital forensics. Research notes and results.

PROFESSIONAL EXPERIENCE

Thomson Reuters

AI Security Researcher | January 2022 - Present

- Built the AI Red Team function, establishing assessment methodology, tooling, and the research program.
- Assess language models, retrieval-augmented systems, agentic applications, and the surrounding identity and application boundaries; translate findings into remediation guidance.

Lockheed Martin

Associate Fellow / Staff Red Team Operator | September 2015 - January 2022

- Led security assessments across enterprise and defense systems, including research in embedded systems and RF security.
- Named Associate Fellow for technical excellence; received the NOVA Award.

Earlier roles: Red Team Operator (2013-2015); Software Engineer (2012-2013).

EDUCATION

PhD, Engineering and Applied Science | University of New Orleans, 2019
Computer Science

MS, Computer Science | University of New Orleans

BS, Computer Science | University of Louisiana at Lafayette, 2012

SELECTED TALKS

Attacking AI - Stories and Secrets | Thomson Reuters, Fall 2023

AI and Trust | Thomson Reuters, Spring 2023

Red Teaming with Radios - Cyber RF/EW Testing | Lockheed Martin Fellows Conference, 2021

A Distributed C2 Framework - DVN | Wild West Hackin' Fest, 2020

CERTIFICATIONS

OSED | OSCP | GICSP (Gold)