

# Kyler Cain

Grovetown, GA | [kylercain1996@gmail.com](mailto:kylercain1996@gmail.com) | US Citizen | TS/SCI w/ CI Poly.

[kylercain.com](http://kylercain.com) | [github.com/kjcain](https://github.com/kjcain)

## SUMMARY

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Software and security engineer working across the stack, from low-level systems code in C, Python, and Rust to backend services and internal tooling. Experienced in reverse engineering, vulnerability research, and the design of secure, performance-critical systems, with a record of shipping reliable software on short timelines and adapting it as requirements change. Comfortable leading small teams, collaborating across disciplines, and turning ambiguous or incomplete requirements into maintainable technical solutions.

## EXPERIENCE

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### ICR Inc.

Dec 2022 – Present

*Senior Cyber Reverse Engineer, (Full-time)*

Grovetown, GA

- Conduct vulnerability research, software engineering, exploit development, and operational support for intelligence and military cyber customers
- Initiated two new projects and expanded the scope of three others, more than doubling supported targets in response to mission requirements
- Delivered short-turn tool modifications and operational releases on timelines as short as one week while maintaining parallel long-term development schedules
- Collaborated with multidisciplinary teams to translate operational needs into reliable, deployable technical solutions

### US Army

Dec 2022 – Oct 2025

*Cyberspace Operations Officer (Reserves, Part-time)*

Fort Gordon, GA

- Provided continuity and technical oversight for long-term cyber capability development efforts
- Supported short-turn operational projects and mentored personnel completing Basic and Senior Unix Persistence Job Qualification Records

### US Army

Sep 2018 – Dec 2022

*Cyberspace Operations Officer (Full-time)*

Fort Gordon, GA

- Led small teams developing offensive cyberspace capabilities across RF, Linux, and Windows domains
- Deployed with an Expeditionary Cyber Team to Qatar in support of the Information Warfare Task Force and Special Operations Joint Task Force operations in Afghanistan in 2021
- Completed Basic Combat Training, Officer Candidate School, Cyber Basic Officer Leader Course, and Senior UNIX Persistence Cyberspace Capabilities Developer certification

### Dominion Energy

Oct 2015 – Mar 2018

*Applications Developer (Part-time)*

Cayce, SC

- Developed internal backend systems for document management and enterprise data aggregation
- Supported operational users through iterative improvement and system maintenance

## SKILLS

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**Computing Languages and Technologies** : C, Python, Rust, Shell Script, Linux/UNIX, GCC, GDB

**Reverse Engineering** : Ghidra, static and dynamic analysis, binary instrumentation, vulnerability research

**Networking** : TCP/IP, Cisco, protocol analysis, threat modeling

**Operational and Analytical** : Rapid prototyping and fabrication under time and resource constraints, technical writing, working in information degraded environments

## EDUCATION

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### Georgia Institute of Technology

Expected Aug 2026

*Master of Science in Computer Science*

Atlanta, GA

- Graduate training in systems-level computing with an emphasis on operating systems, computer architecture, distributed systems, and performance-critical software. Focus on analysis and implementation of low-level, scalable, and secure systems
- **Specialization:** Computing Systems

### University of South Carolina

May 2018

*Bachelor of Science in Computer Information Systems*

Columbia, SC

- Interdisciplinary degree focused on applied computing in business applications with coursework in software development, databases, networking, cybersecurity, and systems analysis. Emphasis on translating operational requirements into technical solutions, integrating information systems across organizations, and supporting secure, scalable enterprise environments
- **Minor:** Business Information Management

## HONORS

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Joint Service Achievement Medal, US Army

Global War on Terrorism Expeditionary Medal, US Army

NATO Non-Article 5 Afghanistan, US Army

## PROFESSIONAL SOCIETIES

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IEEE – General and Computer Society Membership

Aug 2019 – Present

## ADDITIONAL INTERESTS

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Cooking, Baking, Reading, Conlangs, Esoteric Programming Languages, and Electronics.