

Elijah Olson

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SUMMARY

Graduate student in Cybersecurity Policy at Georgia Tech with a B.S. in Computer Science from the University of Chicago. Builds full-stack automation tools and data engineering solutions in Java, React, and Python.

EDUCATION

M.S. in Cybersecurity Policy

Expected May 2027

Georgia Institute of Technology · Online

- Specialization in cybersecurity policy, incident response, and network security.
- Coursework: Incident Response, Network Security, Information Security Policies, Mod/Sim & Military Gaming.
- Conducted forensic analysis using Splunk; developed Suricata IDS rules; authored incident reports and policy memos.

B.S. Computer Science, Specialization in Cyber Security, Minor in Astrophysics

Jun 2024

University of Chicago · Chicago, IL

- Core coursework: Software Development, Computer Systems, Computer Security, Computer Networks, Security/Privacy & Consumer Protection.

WORK EXPERIENCE

Contract Data & Python Engineer

Oct 2024 – Jan 2025

Kith Precision Services, LLC · Gardnerville, NV / Remote

- Designed and implemented automated tools for Gusto, Microsoft, and Salesforce platforms, significantly improving team productivity and operational efficiency.
- Built custom automation scripts that reduced manual effort and enhanced data synchronization across platforms.
- Collaborated with cross-functional teams to identify inefficiencies and deliver tailored solutions; used Git for version control across remote teams.

Python Developer (Freelance)

Jun – Sep 2024

Case Automation for Legal Team · Chicago, IL

- Automated extraction and processing of legal case data from Trellis Law, converting cases into HTML files and structured Excel spreadsheets.
- Used Python's BeautifulSoup and OpenPyXL to organize case information including judges, attorneys, case numbers, and descriptions.

Cybersecurity Research Assistant

Jul – Sep 2023

University of Chicago MANIAC Lab · Chicago, IL

- Implemented a Docker-based file scanner in Python, improving detection coverage and integration with Elasticsearch.
- Created Python automation scripts for real-time data analysis, proactively identifying and mitigating security vulnerabilities.
- Integrated scan results with Elasticsearch via the SOTERIA storage system, streamlining data visualization and user interaction.

PROJECTS

Logan Center for the Arts — NPC AI Installation, Lead Developer

Dec 2023 – Jun 2024

University of Chicago

- Built and deployed an AI-powered art installation merging physical and digital interaction; managed the project's public website.
- Used Git for version control and coordinated feature merges during multi-developer collaboration.

Cybersecurity Incident Response Simulation, Group Lead

Georgia Tech, CS6261

- Led forensic reconstruction of a watering hole attack using Splunk log analysis; authored incident response memo with attack timeline, IOCs, and remediation steps; wrote Suricata IDS rule sets.

LEADERSHIP & ACTIVITIES

Youth Wrestling Coach

Feb–Mar 2025 & 2026

Carson City Middle School · Carson City, NV

- Coached the middle school wrestling program; managed rosters, event logistics, and match coordination across the season.

Division III Men's Wrestling

Sep 2020 – Jun 2024

University of Chicago Athletics

SKILLS

Languages & Frameworks: Python, Java, C, Haskell, Rust, JavaScript, React, Flask, REST APIs, Git, Elasticsearch

Cloud & Infrastructure: Azure, Docker, Kubernetes

Security: Wireshark, Hashcat, Container Security, Network Vulnerability Scanning, Threat Modeling, Splunk, Suricata, Incident Response