

Jaydyn Davis

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Professional Summary

Cybersecurity student focused on offensive security with experience in penetration testing, exploit development, vulnerability analysis, and Linux-based attacking tooling. Seeking a penetration testing or offensive security internship.

Education

Hofstra University, Hempstead, NY
Bachelor of Science in Computer Science & Cybersecurity
Minor in Finance
Expected Spring 2027

Honors & Achievements

Dean's List(3x) - Fall 2023, Spring 2023, Fall 2025, Spring 2025,
National Society of Leadership and Success (NSLS) - Inducted Member

Relevant Coursework

Fundamentals of Cybersecurity, Ethical Hacking, Data Communications and Networking, Network Security, Operating Systems, Principles of Database Management, Data Structures and Algorithms, Intro to Cryptography

Cybersecurity & Software Expertise

- Offensive Security & Penetration Testing: Information Gathering, Port Scanning, OS Fingerprinting, SQL Injection, Command Injection, Exploit Development, Metasploit, Burp Suite
- Exploit Development & Analysis: Buffer Overflows, Heap Spraying, Format String Vulnerabilities, Shellcode Analysis, Binary Exploitation, GDB & Immunity Debugger Workflows
- Network & System Attack Analysis: Packet Capture & Traffic Analysis (Wireshark, tcpdump), Exploit Trace Analysis, Protocol Abuse & Replay Attacks
- Tools & Languages: C, C++, Assembly, Java, Python, Bash, Rust, SQL, Ruby, Linux (multiple distros), Git/GitHub

Projects & Offensive Security Experience

Phishing Analysis Pipeline (Rodman)

- Automated phishing detection pipeline that analyzes URLs using threat intelligence, TLS metadata, and sandboxed VM analysis to generate SOC-style risk verdicts.

jLedger, Personal Finance Ledger Platform

- Personal finance ledger with append-only transaction history, JWT refresh token rotation (HttpOnly cookies), and role-based access control; PostgreSQL/Prisma backend with Jest/Supertest integration tests.

SecPipe (Security Telemetry Pipeline)

- Python security telemetry pipeline with ATT&CK-mapped detections and multi-format export.

Work Experience

Snapology — STEM Teacher January 2024 - Present
Westbury, NY

- Lead STEM instruction for 100+ students using LEGO robotics, developing problem-solving, teamwork, and foundational technical skills through adaptive, engaging lessons.

The Coder School — Coding Coach March 2023 - November 2023
Bellmore, NY

- Mentored 100+ students in Python & Scratch through project-based learning, translating complex programming concepts into clear, age-appropriate instruction.