

## Jaydyn Davis

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### Professional Summary

Cybersecurity student with strengths in defensive security, system configuration, and threat analysis. Looking for an internship where I can contribute and grow in the security field.

### Education

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

### Honors & Achievements

Dean's List (4x) - 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, Software Engineering, Data Structures and Algorithms, Intro to Cryptography

### Cybersecurity & Software Expertise

- Blue Team & SOC Skills: Phishing Detection & URL Analysis, Linux Log, Process & File Forensics, Network Traffic Inspection (Wireshark, tcpdump), Secure Linux & Network Configuration, Identity & Access Management (LDAP, SSH)
- Security Operations & Hardening: TLS/HTTPS Certificate Generation, Validation & Deployment, DNS & SSH Service Hardening (Apache, bind9, OpenSSH), System Monitoring, Logging & Auditing, Network & Host-Based Threat Identification
- Offensive Knowledge (Defensive Context): Attack Pattern Recognition & Exploit Behavior Analysis, Vulnerability Validation & Mitigation, Malicious Network & Binary Artifact Analysis, GDB-Assisted Exploit Reproduction & Root-Cause Analysis (Assembly/Stack; Buffer Overflows)
- Tools & Languages: C, C++, Assembly, Python, Java, Bash, Rust, Linux (multiple distros), Git/GitHub

### Projects

#### 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  
Westbury, NY

January 2024 - Present

- 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  
Bellmore, NY

March 2023 - November 2023

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