

Jaydyn Davis

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Professional Summary

Computer Science student with experience building backend services, data pipelines, and secure APIs. Strong focus on clean architecture, automation, testing, and scalable system design.

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

Software Engineering, Data Structures & Algorithms, Web Application Development, Mobile Device Programming, Programming Languages, Operating Systems, Discrete Structures

Technical skills

- Languages: Assembly, C, C++, Python, JavaScript, TypeScript, Bash, Java, SQL
- Frontend: React, Next.js, HTML, CSS
- Backend and APIs: Node.js, Express.js, REST API design, JWT authentication, RBAC, input validation
- Databases and Data: PostgreSQL, Prisma ORM, ACID transactions, database migrations, constraints, indexes
- DevOps/Platform: Docker, docker-compose, Git, GitHub, Linux, environment configuration
- Testing: Jest, Supertest, integration testing, CI (GitHub Actions)
- Core Concepts: OOP, SDLC, CI/CD, Software Reliability, Architecture & Design Patterns

Projects

Cybersecurity Phishing Prevention

- Phishing and URL analysis pipeline that executes links in isolated environments, captures system and network telemetry, and automates logging and report generation for repeatable analysis workflows.

SecPipe, Security Telemetry Pipeline

- Python security telemetry pipeline that ingests auth, nginx, syslog, and JSON logs, normalizes events to a common schema, runs MITRE ATT and CK mapped detections, and exports findings to JSONL, SQLite, Markdown, and webhooks with tests and GitHub Actions CI

jLedger, Personal Finance Ledger Platform

- Secure TypeScript/Node.js REST API with PostgreSQL/Prisma, JWT refresh-token rotation, RBAC, full integration tests, and an append-only ledger model.

Work Experience:

Snapology — *STEM Teacher*
Westbury, NY

January 2024 - Present

- Led STEM sessions teaching robotics, engineering concepts, and structured problem solving.

The Coder School — *Coding Coach*
Bellmore, NY

March 2023 - November 2023

- Taught Python & Scratch fundamentals through project-based learning and guided students in debugging, problem-solving, and iterative programming skills.
- Designed personalized learning paths that improved student engagement and accelerated their progress of core programming concepts.