

DANIEL ALAN DAVIS

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Key Achievement

- Discovered and responsibly **disclosed critical flaws** on a **nationally used** digital student-ID platform. Briefed the CEO and was contracted to harden the platform, protecting data for **3 million K-12 users**.

Education

- ❖ **Drexel University - College of Computing & Informatics** 09/2024 - 06/2029 (Expected)
B.S. in Software Engineering - Minor in Computing & Security Technology Philadelphia PA

Professional Experience

- ❖ **Arebus** 04/2024 - 07/2024
Software Engineering Intern Zug, Switzerland (Remote)
 - Worked on an **XCTest** end-to-end testing suite for a privacy-focused steganographic messaging app, covering approximately **90 tests across 6 flows**.
 - Reduced manual testing from ~4 hours to ~30 minutes per release (~**87% faster**) across ~12 releases/month.
 - Created **actionable** Jira tickets with repro steps, logs, and severity labels, accelerating developer pickup and improving release confidence.
- ❖ **SkyViewTek** 06/2022 - 10/2022
Computer Technician Malvern, PA
 - Supported **dozens** of client organizations totaling ~**5k users** and ~**3k endpoints**; resolved **Microsoft 365, networking**, imaging, and desktop issues while maintaining strong **SLA adherence**.
 - Standardized Windows imaging using **MDT + WinPE scripts** (drivers, AD join steps), cutting provisioning time from ~100 → ~30 minutes per machine (~**70% faster**) and reducing manual rework.
 - Built an automation for quarterly reviews that **doubled** on-time client infrastructure/endpoint reviews.

Involvement

- ❖ **TechServ** 09/2024 - Present
Team Lead Drexel University - Philadelphia, PA
 - Led technical team which has delivered **hundreds** of refurbished machines to local and international recipients.
 - Worked on scripted imaging process using **iPXE + WinPE** with driver injection, **eliminating** driver-related rework and ensuring consistent quality for recipients.
 - Authored processes and onboarded contributors to **increase weekly throughput**.

Projects

- ❖ **Responsible Vulnerability Disclosures** 08/2021 - Present
Researcher
 - Identified and reported **critical** security issues to **three software publishers** with reproduction steps.
- ❖ **Custom Discord Solutions** 08/2020 - Present
Developer
 - Design, develop, host, and maintain multiple bots serving **100k+ members** across communities; provide moderation tooling, sentiment and **artificial intelligence tools**, role-based permissions, and audit logging.
 - Node.js (discord.js), MongoDB; hosted behind NGINX; ~200 commands & ~500 background tasks per day.
- ❖ **Byte Vault** 04/2024 - 04/2024
Hackathon Team Member DragonHacks @ Drexel University - Philadelphia, PA
 - Worked with team to **create hardware device** for encrypted credential storage & retrieval on RFID cards.
 - Utilized Arduino, C++, 3D Modeling and Printing to deliver functional and intuitive product in **24 hours**.

Skills

Languages: JavaScript | Python | Java | C# .NET

Tools: MongoDB | AWS, GCP | Docker | Git | Express.js | Flask | Windows (Server) / AD | Unix