David Saxton

(339) 226-0947 | Dfsaxton06@gmail.com | www.linkedin.com/in/davidsaxton06

SUMMARY

Computer Science student (3.8 GPA) with hands-on experience as a Cybersecurity Analyst Intern, processing 300+ vulnerability scans and accelerating remediation efforts across 11 executive offices. Skilled in Python, R, SQL, Power BI and GitHub for querying, cleaning, transforming and visualizing data. Developed automated data pipelines using Pandas to streamline reporting and reduce delays. Strong analytical foundation in statistical modeling and strategic analytics to support data-driven decision making.

EDUCATION

Worcester Polytechnic Institute ~ 3.8/4.0   **2028**

Bachelor of Science, Computer Science, Concentration in Cybersecurity
- **Coursework:** Database Systems (SQL), Algorithms, Computer Networks, Statistics I & II, Operating Systems, Software Engineering, Financial Statements for Decision Making, Probability

WORK EXPERIENCE

Executive office of Technology Services and Security   **May 2025 - Aug 2025**

Cybersecurity Analyst Intern   *Chelsea, MA*
- Utilized R and Excel to analyze and transform vulnerability data throughout the entire lifecycle, generating dashboard visualizations for 11 executive offices.
- Applied analytical skills and data analysis to process 300+ vulnerability scans, developing automated Python and GitHub workflows to query, clean, transform, and join disparate datasets, accelerating remediation efforts and reducing reporting delays.

PROJECTS

SaxtonPI – Quant Research & Portfolio Management Web Application
- Built **SaxtonPI**, a full-stack quantitative portfolio analytics platform combining a Python/NumPy/Pandas risk engine with a custom React/Vite front-end.
- Developed modules for **execution simulation**, **market microstructure analysis**, **regime detection**, and **multi-tab PM dashboards** modeled after institutional tools (Aladdin, AQR RiskView).
- Designed interactive **portfolio management interfaces** for allocations, exposures, performance, factor insights, and scenario analysis.
- Built a full **risk engine** computing annualized volatility, correlation matrices, diversification ratios, rolling Sharpe/Sortino, drawdowns, and asset-level variance contributions

Relational Database System with Java Integration
- Designed and implemented a fully normalized SQL relational database, including ER diagrams, schema creation, indexing, and referential integrity constraints.

ADDITIONAL SKILLS

- **Programming and Quantitative:** Python, Java, C++, HTML, GitHub, APIs, .NET, Oracle SQL, RStudio, Git, NumPy, Pandas, SciPy, R
- **Security and Networking:** Tenable.io, Tenable.sc, Palo Alto, XSOAR, Wireshark, Splunk, KnowBe4
- **Cloud and Infrastructure:** AWS (CLI, IAM), Azure
- **Productivity:** Jira Cloud, ServiceNow, SharePoint, Excel
- **Data Analysis and Visualization:** Data Analysis, Data Visualization, Analytical Skills

LEADERSHIP

Bay State Battalion Army ROTC | *Cadet*   **Aug 2024 - Present**
- Participate in leadership development training, including small-unit tactics, physical readiness, and military decision-making.
- Delivered operational briefs and mission summaries to leadership, improving team readiness and communication.

Theta Chi Fraternity, Epsilon Chapter | *Risk Manager*   **Nov 2025 - Present**
- Implemented chapter risk policies, reducing safety incidents and improving compliance with university standards for 80+ member chapter.