

Andy Theriault

☎ (+1) 207-672-6258

✉ andy.j.theriault@maine.edu

🌐 [linkedin.com/in/a-j-theriault](https://www.linkedin.com/in/a-j-theriault)

Professional Summary

Information Systems professional specializing in the deployment, monitoring, and maintenance of secure IT infrastructure. Highly proficient in VMware, Active Directory, and Windows Server environments, with a strong focus on automating preventive maintenance and system backups to ensure data integrity and compliance. Combines robust scripting capabilities (Python, PowerShell) with hands-on experience troubleshooting system issues, supporting endpoint operations, and collaborating across teams to drive operational efficiency.

Experience

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|--|---------------------------------------|----------------------------|
| Student Researcher – Maine Cyber Range | University of Maine at Augusta | Sept 2024 – Present |
| <ul style="list-style-type: none">• Collaborated with internal teams and external stakeholders to deploy and monitor virtualized network models on VMware-based infrastructure.• Automated the creation, testing, and preventive maintenance of server and endpoint system back-ups, ensuring data accuracy and reliable recovery.• Developed custom internal tools using Python, PowerShell, Bash, and web automation to reduce administrative friction and streamline information systems management.• Supported proper system security by triaging alerts, analyzing firewall traffic, and utilizing Active Directory to resolve endpoint configuration issues.• Administered security awareness training via third-party APIs and orchestrated weekly technical exercises to enforce security compliance and operational readiness. | | |

Education

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|---|--------------------|
| B.S. Cybersecurity (In Progress) | Present |
| University of Maine at Augusta | Augusta, ME |
| A.S. Computer Science | August 2024 |
| University of Maine at Fort Kent | Fort Kent, ME |

Projects & Labs

PostgreSQL LLM Benchmarking Project

- Built a Python-based benchmarking project using PostgreSQL to gather performance metrics, rank open-source LLMs, and generate Matplotlib visualizations for comparative analysis.

Home Proxmox Virtualization Lab

- Built and maintained a home-based Proxmox server environment that hosts a Windows system used for System Forensics coursework, along with broader virtualization and lab experimentation.

Application Testing & Validation Lab

- Configured and operated virtualized environments, including VMWare-based tabletop exercise scenarios, to test endpoint configurations and support training and validation activities.

Automation & Scripting Toolkit

- Created scripts in Bash, PowerShell, Python, and JavaScript to automate repetitive tasks, support analysis workflows, and improve operational efficiency.

Skills

Core Competencies: Information Systems Management, System Backups & Preventive Maintenance, VMware Virtualization Infrastructure, Microsoft Active Directory, Peripheral & Endpoint Support, Security Monitoring & Compliance, Automation & Tool Development, Linux Administration & Troubleshooting, Operations Support & Vendor Relations

Technical Skills: Linux, Bash, PowerShell, Python, JavaScript, SQL, PostgreSQL, Selenium, Active Directory, Microsoft Server, API Integration, Network Troubleshooting, Virtualization, VMWare, Proxmox, Matplotlib, Git