Calvin VanderVeer

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EDUCATION

Florida State University   Tallahassee, FL
Bachelor of Science in Computer Science, Minor in Mathematics | GPA: 3.657   *May 2025*
- **Relevant Coursework**: Networking Fundamentals, Database Management, Data Structures, and Algorithms
- **Honors**: Dean's List (Spring 2023, Fall 2023, Spring 2024, Fall 2024)
- **Extracurricular**: Member, Association for Computing Machinery (ACM) at Florida State University

TECHNICAL SKILLS

Languages: Python, Java, C/C++, T-SQL, HTML/CSS
Developer Tools: GCC, GDB, Valgrind, Clion, GitHub, Linux shell scripting, Unix system utilities
Frameworks & Technologies: Docker, Kubernetes, MATLAB
Additional Skills: Process improvement, technology reporting, data analysis

EXPERIENCE

Information Technology Intern   May 2024 – Aug. 2024
Kingsway Community   *Schenectady, NY*
- Monitored and troubleshot network infrastructure daily, identifying and resolving anomalies to ensure optimal system performance and minimal operational disruptions.
- Configured, integrated, and deployed new wireless access points, improving network coverage and connectivity throughout the campus.
- Upgraded and optimized firmware for network switches, enhancing security and network efficiency.
- Utilized network diagnostic tools (e.g., tcpdump, ping) to analyze and debug connectivity issues.

Data Analyst Intern   May 2022 – Aug. 2022, May 2023 – Aug. 2023
Araya   *Latham, NY*
- Designed and automated file transfer systems utilizing JSON, SQL, and PowerShell, reducing manual processing time and increasing operational efficiency.
- Developed and deployed automation scripts for scheduled email dispatches, ensuring timely delivery of critical pricing updates to executives.
- Engineered an automated file management system, currently handling 2,000+ redundant files daily, improving storage efficiency and compliance.
- Collaborated cross-functionally to gather and translate business requirements into scalable technical solutions, ensuring alignment with organizational objectives.
- Presented technical insights and solutions through monthly briefings to executives and peers, demonstrating data-driven decision-making.

PROJECTS

Climate Change Impact Analyzer | Python   Feb. 2025 - Present
- Collaborating as part of a three-person team on an AI powered project using Python in order to analyze and visualize climate change data.
- Developing a custom module to interact with NASA and NOAA APIs for data loading and preprocessing.
- Applying machine learning algorithms for climate parameter prediction, anomaly detection, and data clustering.
- Utilizing Git for version control and preparing a technical report and presentation to showcase findings.

Web Server Deployment & Management | *Linux, Nginx, Networking, Python*   Jan. 2025 - Present
- Configured and managed a self-hosted server, handling networking, security hardening, and system optimizations to ensure reliable remote access.
- Deployed and configured a web server (Nginx) to serve content globally, implementing necessary DNS, firewall, and access controls
- Managed server provisioning and monitoring, ensuring uptime, security compliance, and resource efficiency.

VOLUNTEER SERVICES

- Led a high-impact fundraising team, raising $33,725.11 in seven weeks, including $24,198.11 personally, in support of the Leukemia & Lymphoma Society's blood cancer research.