Jason Spratt

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EDUCATION

University of South Carolina College of Engineering and Computing   *Columbia, SC*
Bachelor of Science (B.S.) in Computer Science   **December 2025**
- Relevant Coursework: Building Secure Software, IT Security Concepts, Computer Networking, Software Engineering, Digital Logic Design, Discrete Structures, Data Structures and Algorithms, Computer Game Development, Linux Fundamentals, Mobile Application Development, Linear Algebra, Statistics.

Technical Experience & Projects

University of South Carolina College of Engineering & Computing   *Columbia, SC*
IT Security Concepts   **January 2021 – May 2021**
- Researched and analyzed recent cybersecurity incidents (e.g., supply-chain and retail breaches), summarizing real-world impact, financial losses, reputational damage, and technical attack vectors.
- Practiced translating technical findings into clear written reports—assessing attack containment, remediation steps, and long-term controls to prevent repeat incidents.

Building Secure Software   **January 2025 – May 2025**
- Gained hands-on experience developing software with security best practices integrated throughout the application lifestyle.
- Learned to identify and mitigate common software vulnerabilities (e.g., buffer overflows, injection attacks, insecure cryptographic practices).
- Explored language-level, operating system, and network-based security mechanisms through case studies and programming assignments.
- Explored OS-level and network-based security mechanisms relevant to enterprise environments.

Software Engineering   **August 2023 – December 2023**
- Work to apply the principles of object-oriented software design, including how to describe and model the structure of a system and apply software design patterns.
- Develop understanding of the fundamentals of requirements-based/structure-based software testing methods.
- Create software architectural models and analyze how control and data flow through a system.
- Collaborate with five peers on a semester-long group project to create a project manager app for computer science projects with the intent to keep the user on track and organized with project deadlines and goals.

Personal Projects   *Columbia, SC*
Raspberry Pi Monitoring System   **November 2025**
- Built a monitoring appliance on Raspberry Pi using Grafana and Prometheus to track device uptime, CPU/memory load, and network latency.
- Deployed services with Docker Compose and configured Node Exporter for real-time metrics collection.
- Created dashboards and alerts to support troubleshooting and system visibility.

Portfolio Website   **Summer 2023**
- Created a job resume portfolio website that includes email integration, networking, and personal statistics for continued updates and benefits using HTML5, CSS, JavaScript.

WORK EXPERIENCE

Campus Recreation - University of South Carolina
Intramural Sports Leader   **May 2023 – January 2025**
- Lead crew members to provide a safe, fair, and fun environment to play intramural sports.
- Complete daily tasks such as reviewing coworkers work performance and providing instructional feedback.
- Optimize team meetings to review our general goals and directions by contributing to discussions/presentations.
- Organize marketing promotions to generate more business by improving the division's social media pages.

SKILLS & CERTIFICATIONS

Expert (★★★★★): CompTIA A+ (Expected Feb 2026), Windows & Linux Administration, Microsoft Word, Microsoft Office, Microsoft Excel, Python, Networking (TCP/IP, VPN, Firewalls)
Advanced (★★★★☆): HTML5, CSS3, VMware, Git, JavaScript, Jest, Vue