

Jonah Silvia

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LinkedIn: linkedin.com/in/jonah-silvia — **GitHub:** github.com/thatpigeonguy

Motivated Cybersecurity student with experience in Linux systems administration and full-stack development. Proven ability to manage production environments, harden server security, and deliver client-facing solutions. Seeking to apply a strong technical foundation to a challenging internship.

Education

Bridgewater State University — Bridgewater, MA

Anticipated May 2029

B.S. in Cybersecurity & Digital Forensics (Minor in Mathematics)

- **Cybersecurity Coursework:** Computer Science I (Python), Introduction to Computer Organization, Cyber Programming (Python) [In Progress]
- **Mathematics Coursework:** Precalculus with Trigonometry, Single Variable Calculus I, Discrete Mathematics I [In Progress]

Professional Experience

IT Systems Administrator & Web Developer

2024–Present

Procuts Hair Salons (Rolynda Salons, LLC) — procutshairsalons.com

- Provisioned and administered a production Linux server, handling configuration, hardening, and maintenance.
- Automated security patching and system updates, achieving 99.9% uptime for business continuity.
- Engineered a responsive front-end solution, optimizing delivery to achieve sub-2-second load times.
- Managed full project lifecycle from client consultation to deployment and ongoing support.

Projects

Personal Lab & Infrastructure

2023–Present

Personal Server Infrastructure — thecoup.xyz

- Architected and maintain a production-grade personal server environment on a Linode VPS (Debian 12).
- Implemented full-stack web hosting (Apache/HUGO) with SSL/TLS automation via Certbot.
- Deployed and managed a secure Postfix/Dovecot email server with hardened security protocols.
- Utilized Git for version control and Infrastructure-as-Code management of configurations.

Catholic Prayer & Saint Directory

2025–Present

Sacre Pagina Web Application — sacrepagina.net

- Developed a bilingual directory of prayers and biographies using static site generation.
- Leveraged GitHub Pages for automated deployment and cost-effective hosting.

Digital Logic & Hardware Emulation Project: ACROTICS

2026

Lead Designer — Blog Post

- Designed and fabricated a fully functioning 3-bit finite-state machine (FSM) traffic control system featuring 8 distinct logical states and 9 boolean logic equations.
- Implemented physical hardware emulation using a voxel-based CAD environment to construct discrete logic gates (AND, OR, NOT), D flip-flops, and repeater-locking memory registers.
- Resolved critical synchronization and propagation delay issues by migrating legacy system architecture to an updated software environment, reducing physical redstone logic bugs.
- Debugged physical wiring failures by isolating the state register clock, manually cycling through binary state states (000 to 111), and reverse-engineering the physical truth tables to correct faulty boolean equations.

Technical Skills

Server Admin: Linux (Debian, Arch, Fedora), Apache, Nginx, Hardening, Patching, SSL/TLS

Scripting/Net: Bash, PowerShell, Python, TCP/IP, DNS, Firewall Configuration, Git

Languages: Java, C/C++, JavaScript, HTML/CSS, L^AT_EX

Leadership & Activities

- General Class, Amateur Radio — Founder, Silver Lake Regional High School ARC
- Vice President, Silver Lake Robotics, FTC #11359 Technicality
- 3rd Degree Member, Knights of Columbus