

Phone Pyae Sone Phyo (Soney)

Software Engineer · Infrastructure & Distributed Systems

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PROFILE

Software engineer and MS Computer Science student at Stony Brook University, focused on reliable infrastructure, distributed systems, and performance. Experience in production SRE, automated delivery, infrastructure as code, open source, and technical mentorship.

EDUCATION

Stony Brook University — MS in Computer Science Fall 2026 — Present
Systems, infrastructure & performance. Graduate coursework in Computer Architecture, Database Systems, and Analysis of Algorithms.

SUNY Oswego — Bachelor’s degree · Mathematics minor Graduation: May 2026
GPA 3.97 / 4.00. Background in software engineering and computer science. Teaching, tutoring, developer community leadership, and campus technology support.

EXPERIENCE

Site Reliability Engineer May 2025 — Present
FindingFive

- Replaced nightly pull-based deployments with push-based Bitbucket Pipelines and rollback support.
- Introduced New Relic APM, distributed tracing, and synthetic monitoring; identified approximately two seconds of latency for Korean users accessing US servers.
- Reduced incidents by 70% through proactive monitoring and improved MTTR by 30% with automated runbooks and systemd scripts.
- Established versioned Python packaging and webhook-based Slack deployment notifications. The platform serves 1K+ monthly active users.

DevOps & Release Engineering Spring 2026
Academic capstone projects · SUNY Oswego

- IBM capstone project (January–May 2026): developed versioned GitHub Actions and Terraform deployment workflows, container builds, and pull-request quality gates.
- CSC480 build coordinator: implemented four multi-stage pipelines for PR validation, Docker builds, GHCR publishing, and versioned deployments.

Open Source Contributor Aug 2025 — Present
Falcon · Dokploy · GitLab / CodePath AI301

- Falcon: fixed suffixed-responder routing bugs and streamlined cross-platform Python wheel CI using cibuildwheel.
- Dokploy: contributed profile image uploads, API/CLI metadata customization, and an SSH IP-address parsing fix.

Technical Lead Aug 2024 — May 2025
Google Developer Groups · SUNY Oswego

- Coordinated technical activities and collaborative initiatives, supported students learning development tools, and encouraged peer learning and teamwork.

Teaching Assistant & Academic Tutor TA: Jan 2023 — Dec 2024
SUNY Oswego

- Supported systems programming and data structures courses through office hours and grading.
- Tutored Calculus I and Data Structures and Algorithms, accumulating approximately 200 hours of tutoring experience.

Machine Learning Software Engineer Intern Feb 2022 — Jul 2022
Juncture

- Developed and deployed a spaCy-based parsing pipeline for local talent acquisition clients; reported 86% parsing accuracy.
- Built Selenium collection infrastructure for 10,000+ LinkedIn profiles to support skill analysis and training datasets.

SELECTED PROJECTS & RESEARCH

Laker Logs Terraform · Docker · GitHub Actions · AWS
Turning a day of manual deployment into a repeatable, ten-minute workflow. Infrastructure that lets three teams focus on building. <10 min: deployment, down from ~1 day.

mydininghall.com

Django · React / Next.js · PostgreSQL · Redis

A campus dining idea that became a service for real students. Real-time menus, background workers, and an observable cloud platform. 2 campuses: Oswego + Vanderbilt.

Observability-aware AI routing

Go · vLLM · Prometheus · Grafana

Can the signals we collect make the systems we serve faster? Exploring tail latency and request routing across AI inference backends. 3 strategies: one instrumented testbed.
Spring 2026 independent study advised by Professor Douglas Lea.

TECHNICAL SKILLS

- Cloud & infrastructure:** AWS · Terraform · Linux · Docker · Proxmox · Networking
- Delivery & reliability:** GitHub Actions · Bitbucket Pipelines · CI/CD · Bash · New Relic · Prometheus · Grafana · Loki · CloudWatch
- Languages & systems:** Python · Go · Java · TypeScript · JavaScript · C · SystemVerilog · Distributed systems · Performance analysis
- Application & data:** Django · Spring Boot · PostgreSQL · MongoDB · Redis · Celery · React · Next.js · Tailwind CSS

COMMUNITY & LEADERSHIP

Campus Technology Services IT help desk; Resident Assistant; approximately 200 hours of academic tutoring. Interests include photography, travel, and a personal Proxmox/Linux homelab.