Vincent La

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Experience

Founder & Software Engineer 2025 – Present
Fellwind *Remote*
- Founded a software business shipping production web infrastructure for small businesses, designing, deploying, and maintaining secure applications while automating deployments and improving reliability across production environments.

Security Engineering Intern May 2026 – Present
Robinhood *Bellevue, WA*
- Designed and deployed an enterprise-wide step-up verification agent in Swift protecting production access across 2,000+ developer endpoints, integrating Okta authentication and Touch ID biometric verification to enforce strong identity validation before privileged actions.
- Developed and tuned 5+ production detection rules, validating detection coverage, improving signal quality, and documenting response playbooks to support scalable security operations.
- Engineered AI agent-driven automation integrated into a multi-stage detection-and-response workflow, orchestrating alert triage, enrichment, and response as repeatable runbook operations across enterprise infrastructure.

Security Engineering Intern May 2025 – Aug 2025
Delta Air Lines *Atlanta, GA*
- Built and automated an insider-threat detection-and-response workflow in Python that ingested real-time Proofpoint ITM alerts via webhook across 30,000+ corporate endpoints, triaging and enriching risk signals to continuously monitor flagged users.
- Engineered risk-based escalation logic that automatically alerted security engineers when a user's cumulative risk score crossed defined thresholds, cutting manual triage and codifying the process into a repeatable response runbook.

Security Software Engineering Intern May 2024 – Dec 2024
Auxilium *Torrance, CA*
- Implemented authentication and authorization across backend REST APIs using Auth0 (OAuth2/OIDC), enforcing least-privilege role-based access control and secure identity workflows across distributed services.

Projects

ML Intrusion Detection System | *Python, Scikit-Learn* Dec 2023 – May 2024
- Implemented a decision tree-based intrusion detection system analyzing network traffic features, achieving 99.5% accuracy on large-scale datasets.

Lockbox – Secure Messaging Platform | *Python, FastAPI, AWS, liboqs* June 2025 – Present
- Architected a secure messaging platform implementing post-quantum cryptography (ML-DSA/liboqs), secure authentication, RBAC, and AWS-based infrastructure while applying secure software development principles throughout the deployment lifecycle.

Leadership & Involvement

Director of Events & NCL Red Team Captain Nov 2024 – Present
FAST (Forensics and Security Technology) *Pomona, CA*
- Organize Capture the Flag competitions and security workshops while leading hands-on exercises in detection engineering, incident response, secure software practices, and MITRE ATT&CK techniques.

Vice President Nov 2024 – Present
Google Developer Group (GDG) *Pomona, CA*
- Lead workshops covering Python automation, REST APIs, cloud security, secure software development, and modern authentication practices for students across multiple technical disciplines.

Technical Skills

Languages: Python, Swift, Bash, PowerShell, SQL, Java
Cloud & DevSecOps: AWS, Docker, CI/CD, GitHub Actions, REST APIs, Infrastructure Automation
Identity & Access: Okta, Auth0, OAuth2/OIDC, IAM, RBAC, Least Privilege, Zero Trust
Security Engineering: PKI, Applied Cryptography, SIEM, Detection Engineering, EDR, MITRE ATT&CK, Incident Response
Development: Git, Secure SDLC, API Security, Technical Documentation, Technical Design

Education

California State Polytechnic University, Pomona Pomona, CA
Bachelor of Science in Computer Information Systems