

Raymond Yang

ry25@illinois.edu | [linkedin.com/in/yangr0](https://www.linkedin.com/in/yangr0) | github.com/yangr0 | yangr0.github.io

EXPERIENCE

Staff Security Engineer

March 2025 – Present

CVS Health

Remote (Contract)

- Addressed widespread engineer frustration with VRLs by developing a Rust prototype from scratch, writing custom parsers and logic for log collection (Splunk, Crowdstrike, Chronicle), OCSF normalization, and inline detection
- Identified unsustainable costs in the proposed AWS Flink architecture and independently built a production-grade Terraform alternative with EKS/Karpenter, projecting a 50% reduction in compute costs
- Collaborated with senior to principal level engineers to define core requirements and validate the architecture of these prototypes, ensuring they addressed key operational pain points

Contract Employee

March 2025 – Present

Colossus Technologies Group

Remote

- Worked as a Staff Security Engineer at CVS Health (6 month full-time contract)

DevOps Engineer

March 2022 – Present

Mezzanotte Labs

Remote

- Oversaw all company infrastructure, implementing IaC that reduced provisioning time by 60%, lowered deployment time by 40%, and cut operational costs by 25%
- Collaborated directly with the lead engineer to architect and strategize products, resulting in a 30% performance improvement and a 65% increase in system scalability
- Deployed Kubernetes to support a multi-node implementation of an in-house Parquet-like database query utility, achieving a 25% improvement in query response times

Software Engineer Intern

Sep. 2020 – Nov. 2021

Blackbot Security

Remote

- Implemented multiple features for an in-house C2 framework in Python
- Constructed high-quality test cases based on the MITRE ATT&CK Framework to the Atomic Red Team project for more than 20,000 users (T1560.002, T1486, T1059.006, T1053.006)

PROJECTS

High-Volume Log Ingestion Service | Terraform, Rust, AWS

July 2024 – July 2024

- Spearheaded a Terraform project to transform a high-volume in-house Log Ingestion Service from a Rust HTTP server to an AWS stack (Route 53, ALB, ACM, S3, AWS Lambda) using Cargo Lambda, reducing costs by 50%

Vulnerability Management Workflow | Terraform, Python

Nov. 2022 – Nov. 2022

- Designed and implemented a vulnerability management workflow using Python and Terraform that automated the process of identifying, reporting, and remediating security vulnerabilities, preventing over 95% of potential exploits

TECHNICAL SKILLS

Languages: Rust, Python, HCL, Bash, Kotlin, LaTeX, Regex, HTML/CSS, SQL, Typescript

Libraries/Frameworks: Actix Web, Flask, Cargo Lambda, Next.js, Tailwind CSS, DaisyUI, React, OCSF

Technologies: Terraform, AWS, Kubernetes, Puppet, Docker, Elasticsearch, Git, Github Actions, SQLite, PostgreSQL

Skills: Systems Design, CI/CD, Linux System Administration, Networking, Detection Engineering, ETL, UI/UX Design

EDUCATION

University Of Illinois Urbana-Champaign

Urbana, IL

Bachelor of Science in Computer Science + Linguistics

Aug. 2024 – Present

- Infrastructure backend developer for the largest CS organization at UIUC
- Responsible for architecting and overseeing entire backend for CS124 Honors project

MISCELLANEOUS

Organizations: ACM Infrastructure Committee, ACM SIGPwny, ACM GNU/Linux Users' Group, Skateboarding Illini, GTO Illini

Academics: 4th Place State ACEs Computer Science, CS124 Honors, CS128 Honors

Languages: English, Chinese (Mandarin, Fuzhounese)