

# Raymond Yang

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## EXPERIENCE

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| <b>Staff Security Engineer</b><br><i>CVS Health</i>  | March 2025 – Present<br><i>Remote</i>  |
| <ul style="list-style-type: none"><li>Recruited to a 20-person team to develop an in-house Threat Detection Engine responsible for monitoring all company logs and ingesting ~100TB/day to ensure comprehensive security coverage</li></ul>  |  |
| <b>Contract Employee</b><br><i>Colossus Technologies Group</i>   | March 2025 – Present<br><i>Remote</i>  |
| <ul style="list-style-type: none"><li>Worked as a Staff Security Engineer at CVS Health (6 month full-time contract)</li></ul>   |  |
| <b>DevOps Engineer</b><br><i>Mezzanotte Labs</i>   | March 2022 – Present<br><i>Remote</i>  |
| <ul style="list-style-type: none"><li>Oversaw all company infrastructure, implementing IaC that reduced provisioning time by 60%, lowered deployment time by 40%, and cut operational costs by 25%</li><li>Managed over 100 servers with 99.95% uptime, ensuring robust performance and reliability for all cloud operations</li><li>Collaborated directly with the lead engineer to architect and strategize products, resulting in a 30% performance improvement and a 65% increase in system scalability</li><li>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</li></ul> |  |
| <b>Software Engineer (Internship)</b><br><i>Blackbot Security</i>  | Sep. 2020 – Nov. 2021<br><i>Remote</i> |
| <ul style="list-style-type: none"><li>Implemented multiple features for an in-house post-exploitation framework</li><li>Constructed high-quality test cases to the Atomic Red Team project for more than 20,000 users</li><li>Automated the daily production code backup process, reducing backup time by 70% and saving approximately 25 hours per month</li></ul>  |  |

## PROJECTS

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|--|-----------------------|
| <b>High-Volume Log Ingestion Service</b>   <i>Terraform, Rust, AWS</i>   | July 2024 – July 2024 |
| <ul style="list-style-type: none"><li>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, achieving near-infinite ingestion capacity while reducing costs by 50%</li></ul>            |                       |
| <b>Vulnerability Management Workflow</b>   <i>Terraform, Python</i>  | Nov. 2022 – Nov. 2022 |
| <ul style="list-style-type: none"><li>Designed and implemented a vulnerability management workflow using Python and Terraform that automated the process of identifying, reporting, and remediating security vulnerabilities, reducing incident response time by 50% and preventing over 95% of potential exploits</li></ul> |                       |

## 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  
**Technologies:** Terraform, AWS, Kubernetes, Puppet, Docker, Elasticsearch, Git, Github Actions, SQLite, PostgreSQL  
**Skills:** Systems Design, Linux, CI/CD, System Administration, Computer Networking, Pentesting, UI/UX Design

## EDUCATION

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|--|-----------------------------------|
| <b>University Of Illinois Urbana-Champaign</b><br><i>Bachelor of Science in Computer Science + Linguistics</i>   | Urbana, IL<br>Aug. 2024 – Present |
| <ul style="list-style-type: none"><li>Infrastructure backend developer for the largest CS organization at UIUC</li><li>Responsible for architecting and overseeing entire backend for CS124 Honors project</li></ul> |                                   |

## 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)