

# Raymond Yang

[ry25@illinois.edu](mailto:ry25@illinois.edu) | [linkedin.com/in/raymond-y-3061841b7/](https://www.linkedin.com/in/raymond-y-3061841b7/) | [github.com/yangr0](https://github.com/yangr0)

## EDUCATION

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**University Of Illinois Urbana-Champaign**  
*Bachelor of Science in Computer Science + Linguistics*

Urbana, IL  
Aug. 2024 – May 2028

## EXPERIENCE

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### DevOps Engineer

March 2022 – Present

*Mezzanotte Labs*

*Remote*

- Took on the lead role for all cloud operations
- Developed automation software to set up multi-node Elasticsearch clusters using Python
- Incorporated, presented, and administered DevOps-like workflow for the entire company to follow, increasing productivity levels drastically across the entire department
- Collaborated directly with lead engineer to architect and strategize products
- Implemented software configuration management with GitHub Actions using Puppet and Terraform
- Created and managed CI/CD workflows for Python and Rust projects using GitHub Actions
- Developed vulnerability management workflow with an automatic ticketing system preventing numerous exploits
- Setup Linux server for hosting all company internal applications
- Deployed Kubernetes for multi-node implementation of in-house Parquet-like searching tool
- Built a Terraform project to port an in-house logs ingesting service from a web app to an AWS stack using Route 53, ALB, ACM, S3, and AWS Lambda

### Software Engineer Intern

Sep. 2020 – Nov. 2021

*Blackbot Inc.*

*Remote*

- Constructed high-quality test cases to the Atomic Red Team Project for more than 20,000 users
- Responsible for automating the daily process to backup product code, helping save significant amounts of time
- Implemented multiple features for an in-house post-exploitation framework

## PROJECTS

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### RBust | Rust, Git, Markdown

April 2020 – May 2021

- Utilized the high-performance nature of Rust to create a web fuzzing tool
- Used the Isahc library to make HEAD requests to desired URL
- Multi-threaded web fuzzing

### BlackPhish | Python, PHP, HTML, Bash

October 2019 – January 2020

- Developed tool to mimick website and catch POST data
- Utilized Apache2 to host mimicked website
- Wrote PHP script to catch POST data

## TECHNICAL SKILLS

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**Languages:** Rust, Python, Bash, YAML, JSON, Markdown, TOML

**Libraries:** Actix Web, Flask, Cargo Lambda, Reqwest, Isahc

**Developer Tools:** Git, Terraform, Docker, Kubernetes, Elasticsearch, Github Actions, Puppet, AWS Lambda, AWS S3, AWS Load Balancer, AWS Certificate Manager, Apache2, Neovim, VSCode

**Skills:** Linux, CI/CD, System Administration, Computer Networking, Agile Development, Pentesting