

Raymond Yang

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EDUCATION

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

Urbana, IL
Aug. 2024 – Present

Sullivan High School
High School Diploma

Sullivan, IL
Aug. 2020 – May 2024

EXPERIENCE

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 that was used for hosting all company internal applications
- Deployed Kubernetes for multi-node implementation of in-house Parquet-like searching tool
- Spearheaded 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

RBust | *Rust, Git, Markdown*

April 2020 – July 2020

- Utilized the high-performance nature of Rust to create a web fuzzing tool
- Used the Isahc library to make HEAD requests to desired URL
- Implemented multi-threading to further increase performance

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 capture POST data of form

TECHNICAL SKILLS

Languages: Rust, Python, Bash, YAML, Markdown, Latex, HTML

Libraries: Actix Web, Flask, Cargo Lambda, Request, Isahc, Prompt Toolkit, polars

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

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

MISCELLANEOUS

Awards: 4th Place State ACEs Computer Science, Straight A Honor Roll

Academics: AP Calculus, AP Chemistry, AP Statistics, DC English, US History

Languages: English, Chinese