

# Raymond Yang

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## EDUCATION

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**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

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**DevOps Engineer**  
*Mezzanotte Labs*

March 2022 – Present  
*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**  
*Blackbot Inc.*

Sep. 2020 – Nov. 2021  
*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 – 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

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

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

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**Organizations:** ACM Infrastructure Committee, ACM GNU/Linux Users' Group, ACM Natural Language Learning

**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