

# AHAD SHERIFF

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## EDUCATION

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**Rochester Institute of Technology, Rochester, NY**  
*Bachelor of Science, Computing Security*

**GPA: 3.4**  
**August 2015 - December 2019**

## WORK EXPERIENCE

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**VMware**  
*Engineering Intern - Secure State*

**Bellevue, WA**  
**May 2019-August 2019**

- Enhance CI/CD pipeline to reduce downtime with rolling updates. Optimize cloud native infrastructure to increase reliability. Implement metrics instrumentation in back-end services. Develop secret management solution to maintain application security. **Tech Used: Kubernetes, Jenkins, Golang, Prometheus, Ruby, AWS (EKS)**

**Booz Allen Hamilton**  
*Cyber Threat Intelligence Intern*

**McLean, VA**  
**June 2018-August 2018**

- Analyzed threats, vectors, and actors in support of cyber defense operations. Worked closely with multiple security teams during incidents and drove response efforts. Conducted technical reviews of security events. Built a legacy database migration tool. **Tech Used: Splunk, Python, SQL, AWS(S3)**

**Citigroup**  
*Production Engineering Intern*

**New York, NY**  
**January 2018-April 2018**

- Built tools and devised automation strategies to improve uptime and health monitoring for trading infrastructure. Monitored high-frequency trading logs for bottlenecks and anomalies. Investigated events generated by the alerting pipeline and triage incidents. **Tech Used: Linux, Bash, FIX, C, Python, Perl**

**Allied Associates International**  
*Cyber Security Intern*

**Gainesville, VA**  
**June 2017-August 2017**

- Design and implemented logging and alerting system to detect malicious activity on endpoints, infrastructure, and network. Created an incident response toolkit, blacklisted malicious DNS addresses, and reviewed IT security procedures. **Tech Used: Linux, Python, ELK, Kibana, Suricata, Docker, VMWare ESXi**

## ACHIEVEMENTS

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**12for12**  
*President and Founder*

- A 501c3 non-profit creating tools to make donating online easier. Received Microsoft Hack for Good grant. **Tech Used: Vue.js, Node.js, Python, AWS Lambda, HTML, CSS**

**Columbia University HealthHacks 2018**  
*First Place Winner*

- Built a mobile app to treat narcotic overdoses by facilitating communication between nearby reporters and those trained to treat overdoses. **Tech Used: Swift, Firebase**

## PROJECTS

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### Calculating Android Application Risk

- Created a model to assign risk scores to apps based on permissions and key-signing algorithms. Built an automation tool to analyze the risk of real Android apps using a risk score model. **Tech Used: Java, Python**

### Best Practices for Integrating the Public Cloud with Local Resources

- Researched and created a guide for securing access to AWS management, securing network access to EC2 instances, securely linking EC2 instances to a local network, configuration management, and conducting a cost analysis for resources used. **Tech Used: AWS (EC2, S3), Active Directory**