

# Asher Orr

Network Security and Python Software Engineer with Client-Facing Experience

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**Tech professional skilled in solution demos, relationship building, self-guided learning, network security, and Python**

## CYBERSECURITY RESEARCH AND PROJECTS

CyberSecurity Projects: <https://asherorr.com/projects>

GitHub: <https://github.com/asherorr>

LinkedIn: <https://linkedin.com/in/asherorr>

## EXPERIENCE

### CyberSecurity Self Study: Remote

August 2021 - Present

- Python and Bash scripting for analyzing network traffic, querying and updating databases, automating encrypted backups of data, restoring backups, scheduling tasks with CRON, and other security tools
- Implementation of a network proxy to capture, evaluate, manipulate, and resend application traffic, as well as brute forcing login attempts, dictionary attacks, encoding/decoding, and web parameter tampering
- Application of a network sniffer to capture appropriate network traffic, filtering by protocol, port numbers, IP addresses, or other characteristics
- Use of exploitation frameworks to identify vulnerabilities in systems based on operating systems, version numbers, open ports, traffic filtering, etc, then escalating privileges on vulnerable machines

### Language Arts Teacher: Atlanta, GA — Atlanta Public Schools

August 2020 - August 2021

- Leveraged educational software to teach 100+ students remotely for a full school year
- Led team training on using Google Workspace to automate the adjustment of each student's instruction based on real-time data

### Language Arts Teacher: Dacula, GA — Gwinnett County Public Schools

August 2017 - August 2020

- Raised average score on 2019 growth measure assessments by 18%
- Demoed educational technology for colleagues as the school's "Lead Innovator" representative
- Won 2018 "Transformed Classroom" award (awarded to the teacher who most consistently uses technology to maximize student outcomes)

### Sales Development Representative: Atlanta, GA — Acuity

June 2016 - June 2017

- Top performer (December 2016, March 2017)
- Launched partnership program with startup accelerators

### Campus Representative (University of Georgia) - Athens, GA — Apple

January 2015 - October 2015

- Advised faculty and staff on integrating Apple's educational technology to enhance instruction

## PROFICIENT KNOWLEDGE & SKILLS

Python • Linux • Inside Sales • Instructional Design • SQL • Suricata • Application Security • Ethical Hacking • Traffic Analysis • Network Detection and Response • Incident Response • Centralized Cloud Management • Git • Wireshark • Nmap • Burp Suite • Cron • Backups • Bash • Metasploit

## CERTIFICATIONS

COMPTIA NETWORK+  
February 2023

COMPTIA SECURITY+  
March 2023

SPLUNK CORE CERTIFIED USER  
September 2023

MICROSOFT AZURE 900  
September 2023

## EDUCATION

TREEHOUSE, Remote: 2022

- Python Techdegree (Achieved "Exceeds Expectations" score on all projects)

UNIVERSITY OF GEORGIA,  
Athens, GA: 2013-2016

- Bachelor's degree in Public Relations (Graduated Magna Cum Laude)