Matthew Lee

Cyber Security Engineer

Highly motivated, exceptional problem solving skills, personable, thrives in both team-based and independent environments, strong determination for personal development.

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EDUCATION

Candidate for Master of Science in Cyber Security
City College of New York

08/2021 - Present *3.68*

Bachelor of Science in Computer Information Systems
Grove School of Engineering, University of Delaware

08/2015 - 05/2019

WORK EXPERIENCE

Senior QA Test Engineer
Con Edison (Consultant)

08/2020 - 10/2021

Worked as a Consultant for Con Edison as part of their QA team per contract with RTTS

Achievements/Tasks

- QA testing of in-house suite of applications used by Con Edison. Involved manual, automation and API testing with DevOps integration for CI/CD.
- Used Azure DevOps to open and close variances within the application
- Ran Postman requests to test API endpoints

QA Test Engineer
Real Time Technology Solutions (RTTS)

10/2019 - 08/2020

Achievements/Tasks

- Validated functionalrequirements in development cycles.
- Architected an automation framework and automated functional tests using Selenium in Microsoft Visual Studio C#.
- Used SQL techniques such as nested select statements and aggregate functions to return desired queries

IT Engineer
ProHealth (TekSystems)

07/2019 - 10/2019

Achievements/Tasks

- Extensively performed log review of proprietary software records.
- Created Python scripts to aggregate the data and feed the logs into Excel for further review.

SKILLS

Python | Java | C# | React | SQL | Windows | Ubuntu | macOS

ACADEMIC PROJECTS

Secure Cloud Computing Project

- Built a Google Docs clone application, packaged it into a container with Docker and deployed the application to the cloud with GCP.
- Created the design requirement document, implemented cloud reliability requirements and security using two-factor authentication.

Penetration Testing and Ethical Hacking - Remote Access Trojan (RAT) Project

- Configured Linux VMs to act as Attacker and Victim in a Server/Client environment.
- Created a remote access Trojan virus that executed a backdoor attack to gain access to the victims' files and trigger a keylogger program.

Computer Communication Networks

- Designed and built a mesh topology network using Riverbed network simulation software tools.
- Performed data analysis which included routing algorithms comparisons, determination of appropriate link capacities and average link utilization.

Network Security- Encryption Project

- Created a CBC substitution encryption algorithm to encrypt a stream of ASCII characters as input
- The Vigenere cipher-based algorithm was compared to the Caesar cipher to differentiate strengths and weaknesses. Python and C were used to implement the programs.

REFERENCES

As Per Request

INTERESTS

Frontend | Backend | Cyber Security | Programming