**Timothy Ryan Scully**

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**CYBERSECURITY ANALYST**

From day zero to the currently present picosecond, Timothy Ryan Scully is a problem solver and skeptic. Born with both a scathing intellect and wild imagination, no problem is outside his scope. You would be hard pressed to find such a charming individual who can still separate the deception from the truth in a nutshell.

**EDUCATION**

CompTIA

**Security + Certificate** March/2023

Earned through gumption, hard work, and rigorous study. Qualified for all manners of IT security.

New Jersey Institute of TechnologyMantua, NJ (Remote Classes)

**Cybersecurity Professional Certificate** April/2023

Direct-training defensive cybersecurity program that covers fundamental networking, cloud, Windows, and Linux security, as well as cyberinfrastructure technologies, incident response, and digital forensics. Prepared for Network+, LPI, CCSK, CCNA, CCENT, SSCP, and CySA+ certifications.

Rutgers University - College of Arts and SciencesCamden, NJ

**Bachelor of Science in Computer Science and Digital Studies**

Studied the ins and outs of OOP programming, computer architecture, algorithms, visual communication, multimedia, software engineering, and even the basics of cyber security.

Camden County CollegeBlackwood, NJ

**Associate of Applied Science in Game Design and Development**

Studied all manners of technology both involving graphic arts and OOP programming. Designed, Developed, and Self-Published two consecutive video game products as part of a capstone project.

**TECHNICAL SKILLS**

**Technology:** Wireshark, HoneyPot, Nessus, Pycharm, Vscode, Git, Github, Adobe Creative Cloud, Unity 3D, Unreal Engine 5, Vim, Wordpress, Xcode, Bash, Poweshell

**Programming Languages:** Python, C, C++, C#, HTML, CSS, Java, Javascript, MySQL, PHP, X86-64 Assembly, Swift, Kotlin

**Operating Systems:** Windows 10, Windows 16 Server, Kali Linux, Ubuntu, Debian, Redhat, Centos

**Windows Security:** Active Directory, Windows Server, Group Policy, DNS, Shares and Permissions, DHCP, Disk Management, Microsoft Endpoint Security, Security Policy, Microsoft Authentication, Powershell

**Networking:** Networking, Switch & IOS, IP & Routing, Subnetting, IPv4/6 Static Routing, Dynamic Routing, VLANs and Trunking, Diagnostics & Troubleshooting, Access Control List, Infrastructure Services,

**Cloud:** AWS, Cloud Security, Virtualization and Container, and Advanced Cloud Security

**Additional Relevant Experience:**Microsoft Security, Computer Networking, Cloud Security, Linux Security, Network Security, Cyber Technologies, Python, Ethical Hacking, DFIR, Game Theory

**Languages:** English(American), Spanish(basic)

**EXPERIENCE | NJIT**

**Built a Windows Server Virtual Machine**

Scope: Utilized virtualization software to create a virtual machine.

Loaded operating system (Windows Server 2019), and performed basic setup; encrypt username and password.

Ran a test and set up the network. Looked up the IP address and ping virtual machine to ensure a connection was established.

**Installation of WAN**

Scope: Built Wide Area Network (WAN) for a bank branch including three LANs.

Identified ISP, designed layout for bandwidth, line quality, and hardware.

Built WAN utilizing VPN.

Utilized Cisco Packet Tracer 7.2.2.

**Network Configuration**

Scope: Set up a corporate network and implement security settings for a new bank branch.

Devised network Topology plan and where to assign the IP address.

Built VLANs, trunks, and routers to allow multiple stream communication. Arranged switches to communicate with port security and routers to work with OSPF.

Configured network devices to prevent unauthorized access by securing privilege mode, encrypting passwords, and designing security messaging. Conducted a successful connectivity test.

**Network Security**

Scope: Act as a security analyst to protect company communication

Set up 3 machines: client, host, and threat; established connection and engaged in communication through network requests and emails.

Imitate a threat to extract info and intercept traffic-utilizing Wireshark.

Configured firewall using pfSense.

**Python**

Scope: Create code that receives input; a program that will accept user information.

Create Python script(s) using Pycharm and Vscode.

Create input fields.

Create a statement for the desired output.

Test/Run to ensure correct output.

Established protocols, secured channels in a sandbox environment, translated and encrypted code.

**Ethical Hacking**

Scope: Use Wireshark to track passwords.

Using Windows and Linux, lookup IP addresses. Try to crack passwords by monitoring the flow of traffic.

**DFIR**

Scope: Performed a forensic investigation within a lab environment using SIFT Workstation & Flare VM. Learned techniques concerning finding “noisy” IP addresses using Zeek to parse pcap Files, filtering techniques, finding malicious files on infected computers/backdoors, investigating malware behavior, and finding secrets.

Learned about the DFIR Lifecycle.

Able to acquire data from live and dead Windows & Linux systems. (dd, mount, CAINE, FTK, OSFMount, Sysinternals.

Knowledge in memory-analysis (Volatility), log analysis, and timeline analysis (log parser/Splunk).

Learned about network forensics (proxy, DNS tunnel, malware).

**WORK HISTORY**

Dennis Egen,Philadelphia (Remote Work during Pandemic) Summer of 2020

***Internship at Engine Room Tech***

Perfected the company’s remote workflow during the pandemic due to me trouble shooting the code being transferred remotely through rigorous research and an increasing mastery over the PHP software language.

Made the website [www.engineroomtech.com](https://d.docs.live.net/56cfd40d48a81309/JOB%20HUNT/www.engineroomtech.com) the absolute gem that it is by addressing tickets and issues promptly and efficiently with mastery over visual arts, HTML, and CSS respectively.

Perfected the wording on a key client’s website and blog using creative and technical writing skills.

**ADDITIONAL TRAINING OR EXTRA-CURRICULAR ACTIVITIES**

**HackTheBox**, Rank: Hacker

**TryHackMe**, Level: Hacker

**Hackoween,** 1st place winner and proud owner of yet another Raspberry Pi.

**PROFESSIONAL MEMBERSHIPS OR AFFILIATIONS**

**Association for Computing Machinery (ACM)** Still Active

PR Administrator

**AIGA – the professional association for design** Still Active

Participating Member