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EDUCATION

General Associate of Science

Front Range Community College, Fort Collins, Colorado

Dec 2022

Bachelor of Science in Computer Science, Concentration: Networks and Security

Colorado State University, Fort Collins, Colorado

Expected Dec 2025

KEY COMPETENCIES

Web Development and Design:

- HTML
- JavaScript
- CSS

Scripting and Automation:

- BASH Scripting
- PowerShell

Database Management:

- SQL

Programming Languages:

- Java
- Python
- Ruby

Linux Administration and IT Operations:

- Linux Administration
- Hardware Troubleshooting
- Diagnostics
- Assembly
- Configuration
- Maintenance
- Desktop
- Server
- Networking
- Routers
- Switches
- Access Points

Cybersecurity and Ethical

Hacking:

- Cybersecurity
- Web Testing
- Network Security
- Social Engineering
- Vulnerability Assessment
- Wireshark
- Nmap
- Wazuh
- Burp Suite
- Metasploit

PROJECTS

At-Home Wazuh Server with Multiple Agents for Defensive Security Practices: 9/10/23-Present

- Implemented and maintained a Wazuh server for real-time threat detection and response at home.
- Configured multiple agents on diverse devices to collect security data and monitor for anomalies.
- Utilized Wazuh's alerting system to proactively identify and mitigate potential security threats.

Raspberry Pi-Based Penetration Testing and Network Security:

6/6/23-Present

- Designed and built a Raspberry Pi-based penetration testing platform for ethical hacking, including a custom Rubber Ducky device using a Raspberry Pi Pico for automated keystroke injection.
- Conducted penetration tests, vulnerability assessments, and network-based attacks (e.g., deauthentication and man-in-the-middle) on local networks and devices.
- Developed automation scripts on the Raspberry Pi for capturing wireless handshakes and analyzing network traffic.
- Demonstrated proficiency in ethical hacking, network security techniques, and IoT device integration.
- This combined bullet point effectively highlights your skills and experiences in both projects while keeping the content concise.

Custom Macro Keyboard Project with Raspberry Pi Pico:

3/24/23

- Designed and built a custom keyboard using a Raspberry Pi Pico microcontroller, showcasing strong hardware and electronics skills.
- Developed firmware using Python to enable unique key mappings and programmable macros, enhancing user productivity and customization.
- Implemented USB HID (Human Interface Device) functionality, allowing the custom keyboard to seamlessly interface with various devices.
- Demonstrated proficiency in microcontroller programming, hardware interfacing, and embedded systems design.

Self-Coded Anti-Malware Detection/Removal System:

3/5/23

- Designed and implemented a simple anti-malware detection and removal system from scratch.
- Developed signature-based method to identify and remove common malware.
- Demonstrated programming and cybersecurity skills in developing security solutions.

Smart Home Integration with Homebridge and Home Assistant:

1/10/23-Present

- Integrated non-Apple devices seamlessly into Apple's HomeKit ecosystem using Homebridge and Home Assistant
- Enhanced home automation by connecting various smart devices to a centralized control system
- Demonstrated expertise in IoT device integration and smart home technology

WORK EXPERIENCE

Freelance Writer (March 2022 to Present):

- Honed communication and research skills, producing high-quality written content across various topics.
- Specialized in ghostwriting, content creation, and creative writing.
- Demonstrated ability to adapt to different writing styles and meet client expectations.

List Article Writer at Comic Book Resources (CBR) (April 2022 to June 2022):

- Refined research and content creation abilities.
- Delivered engaging articles to a broad audience.

National Homeowner Advocate at ACTIVUS DIGITAL (October 2020 to January 2021):

- Developed strong interpersonal and customer service skills through outbound dialing.
- Explained company services to homeowners and responded to inquiries.

Call Center Agent at Universal Printing Solutions (August 2020 to October 2020):

- Gained experience in business-to-business sales and lead generation.
- Enhanced ability to identify and pursue opportunities.