

CONTACT

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PROFILE

Computer Science student with a deep interest in cybersecurity, data security, and AI/ML, currently working on collecting more certifications in related fields. Possess a technical background in C++, Python, and Java, on Linux and Windows platforms, and security tools such as Wireshark and Metasploit.

Technical Skills: Python, C++, Java | Wireshark, Metasploit, Splunk, Burp Suite | Linux (Ubuntu, Kali), Windows | TCP/IP, VPNs, DNS, Firewalls | Git, SQL, Bash

PROJECTS

Secure Messaging App (C++, Crypto++)

- Anonymous chat app with 6-digit TOTP codes (RFC 6238) rotating every 30s for pairing. RSA key exchange negotiates AES encryption; all keys cleared from memory post-session. Supports host/join over WinSock.

Stack: C++17, Crypto++, RSA, AES, TOTP, WinSock2.

Custom VPN / Encrypted Tunnel (Oracle Cloud, Linux, Python)

- VPN server on OCI (Ubuntu) with VCN/subnets & security rules. Python tunnel with AES encryption + HMAC integrity, IP forwarding & NAT routing. Hardened with UFW & systemd.

Stack: Python, AES, HMAC, Ubuntu, iptables, UFW, systemd, OCI.

EXPERIENCE

Networking Support / Store Associate – Chip Cookies (Part-Time / Temporary)
Oct 2023 – Nov 2024

- Coordinated with Toast networking specialists and management to deploy and configure the Toast POS system and its cloud-based backend, ensuring secure integration into the store network.
 - Maintained Wi-Fi networks for store operations, implementing access controls to protect payment systems and company data.
 - Worked with management to develop and enforce role based user access policies, assigning permissions to employees to safeguard sensitive systems and prevent unauthorized access.
 - Monitored network and POS system performance, identifying and resolving connectivity or security issues to maintain uptime and data integrity.
 - Collaborated with management to ensure all digital and physical systems complied with operational and security standards.
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EDUCATION & CERTIFICATIONS

University of Texas at Dallas – B.S. in Computer Science (Aug 2023 – May 2027)

Collin Community College – Supplemental Cybersecurity & Programming Coursework

Certifications:

CompTIA Security+ (Expected Aug 2025)

IT Specialist – Cybersecurity (Cisco/Certiport) – Linux, CTF pentesting, Wireshark, security tools

Google Cybersecurity – SIEM tools, Event management, SQL, IDS

Data Analysis with Python – FreeCodeCamp

Python to Solve Mechanical Engineering Problems – Rice University