Thomas Peter Harris

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EDUCATION

University of Delaware   Newark, DE
Bachelor of Science, Computer Science with Cybersecurity Concentration   May 2023
Minor in Applied Music (Trombone)
GPA: 3.622*;* Dean's List: *Fall 2019, Spring 2021, Fall 2022, Spring 2023*

SKILLS

Programming: *Python, C/C++, Java, LUA, Ada, Batch, Javascript, HTML, CSS, ArmV8 Assembly, Bash, ROSE, SQL, R*
Web: *Git, Firebase, Drupal, OpenVAS, Splunk, NodeJS*
Software: *Wireshark, Visual Studio, VMware, SQL Developer, BurpSuite, Postman, Apache, OpenVPN, Nmap, Metasploit, MS Office*
Operating Systems: *Windows, Apple iOS, Linux, Kali Linux, UNIX, Ubuntu*

WORK EXPERIENCE

Life Cycle Engineering | Java (Swing, AssertJ, Velocity), LUA, C++, ROSE, Batch, Ada   Philadelphia, PA
Jr. Software Engineer   June 2023 - Present
- Development for Programmable Logic Controllers and Platform Independent Machinery Control System, improving the sustainability and reliability of lab components for multiple integrators of NAVSEA
- Monitored and improved naval vessel components through development of Engineering Control Systems

A.I. Whoo | Python (Pandas), Javascript, HTML   Newark, DE
Software Engineer & Team Member (Senior Design)   August 2022 – May 2023
- Implemented a redeemable points program for local state parks through utilization of QR-codes
- Automated coordination and systems for University of Delaware Computer & Information Sciences Teaching Assistants, greatly improving the management of onboarding processes, time tracking systems, and payroll systems

University of Delaware Department of Computer and Information Sciences | Python   Newark, DE
Teaching Assistant for CISC 106 - General Computer Science for Engineers   August 2022 – December 2022
- Introduced freshman engineering students to the basics of Python through in-class activities and assignments, greatly contributing to their skills in teamwork, problem solving, and programming

PROJECTS

Firebase Twitter (School Project) | HTML, CSS, Javascript, Firebase   Newark, DE
Programmer   September 2022 – November 2022
- Built a condensed version of Twitter, implemented user-friendly environment with enhanced security measures

Minecraft Server (Self-Study) | Java Runtime Environment   Clifton, NJ
Server Administrator, Assembler   January 2013 – Present
- Hosted safe and simple server-based gaming environments through port-forwarding, white-listing, and VPNs

CERTIFICATIONS

CompTIA Security+   Remote
Cybersecurity Certification   March 2024
- Enhanced knowledge of various cybersecurity topics such as incident response, forensics, attack types, and vulnerabilities

Jr. Penetration Tester   Remote
TryHackMe   February 2023
- Learned about various penetration-based topics such as network security, privilege escalation, and web application hacking

ACTIVITIES & HOBBIES

University of Delaware Cyber CTF Club   Newark, DE
Member   August 2022 – May 2023

Boy Scouts of America Troop 74   Clifton, NJ
Eagle Scout   September 2019