

Thomas Peter Harris

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EDUCATION

University of Delaware

*Bachelor of Science, Computer Science with Cybersecurity Concentration
Minor in Applied Music (Trombone)*

GPA: 3.622; Dean's List: Fall 2019, Spring 2021, Fall 2022, Spring 2023

Newark, DE

May 2023

SKILLS

Programming: Python, C/C++, Java, Ada, 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

Philadelphia, PA

Jr. Software Engineer

June 2023 - Present

- Utilize C++, ROSE, and ECS to monitor and improve naval vessel components in a lab-based environment
- Assures the reliability and sustainability of naval vessel equipment, systems, and operations

A.I. Whoo

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

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 various in-class activities and assignments, greatly contributing to their skills in teamwork, problem solving, and programming

PROJECTS

Firebase Twitter (School Project) | HTML, CSS, Javascript

Newark, DE

Programmer

September 2022 – November 2022

- Built a condensed version of Twitter through Firebase Hosting while focused on implementing a user-friendly environment with enhanced security measures and exploit prevention

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