

Nathan Nieman

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OBJECTIVE

To leverage my technical expertise in programming, cybersecurity, and networking to contribute to innovative projects and enhance security measures, with a focus on malware analysis and reverse engineering.

TECHNOLOGIES AND TOOLS

Ghidra	x86 Assembly	C	CUDA Drivers	Linux CLI
Java	Burpsuite	C++	JavaScript	Packet Tracer
Python	GDB	Okta	NodeJS	CISCO IOS
Wireshark	x64DBG	DUO MFA	Powershell	Steghide

EDUCATION

The University of Texas at San Antonio (UTSA)

Expected Graduation: May 2027

Bachelor of Science in Computer Science

Hebron High School

Graduation: May 2024

Relevant Networking Coursework based on Cisco CCNA

RELEVANT EXPERIENCE

Cyber Consulting Intern, Inspira Enterprises

Summer 2024

- Focused on Identity Access Management
- Created an authentication website utilizing Okta and Duo MFA at uoiauth.onrender.com

S3 Lab Research Intern, University of Texas at Dallas

Summer 2022

- Set up Pixkit using Autoware with Nvidia CUDA drivers
- Established vulnerability testing environment to test vulnerabilities previously found by Dr. Chung Hwang Kim using an Autoware fuzzer

PROJECTS

Capture the Flag Competitions, Assorted

Assorted

- Solved many Reverse Engineering CTF challenges using strategies such as: binary patching, reading plaintext strings, reverse engineering key checking algorithms, and unpacking packed files.

Practical Malware Analysis Homelab, Personal

Spring 2024

- Analyzed Malware found in Practical Malware Analysis Book by Andrew Honig and Michael Sikorski learning manual unpacking, basic network analysis with regard to malware, static and dynamic reverse engineering

Bytecode Converter, HackDFW

Fall 2022

- Developed an innovative web tool that converts JavaScript into V8 bytecode directly within the browser, enabling real-time analysis. bytecode.onrender.com

Online Eye Exam, HackDFW

Fall 2021

- Developed a website utilizing Flask and OpenCV2 to recognize a face and check if patients are at the proper distance to take an eye exam on the website

ORGANIZATIONS

- Cyber Competition Infrastructure System Administrator
- Association of Computing Machinery Member

2024 – Present

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