

DENNIS SERBEH

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EDUCATION

University at Albany, State University of New York.

Masters in business administration, Cyber Operations.

Albany, New York

AUG 2023—PRESENT

University at Albany, State University of New York.

Bachelor's degree of Science, Cyber security/Informatics.

Albany, New York

AUG 2021—MAY 2023

Westchester Community College.

Associate of Applied Science, Cyber Security.

Valhalla, New York

SEP 2019 —MAY 2021

RELEVANT EXPERIENCE

NYS office of ITS

Albany, NY

Information Technology Service 2 (internship)

February 2023—Present

- Process Install, configure, and maintain operating systems (e.g., Windows Server) and software applications.
- Provide high-level technical support to NYS end-users, diagnosing and resolving hardware and software issues.
- Configure and maintain network infrastructure, including routers, switches, and firewalls.
- Assist in the planning and execution of IT projects, including hardware upgrades, software migrations, and system enhancements.
- Create and maintain documentation, including user guides and knowledge base articles, to assist users in resolving common issues independently.

Albany Medical

Albany, NY

ASA/Health Unit Coordinator

APR 2022—Present

- Utilized Microsoft 365 to transform the institution's paper-based logs of patient information to digital ones.
- Collaborating with designated university authorities in supporting the isolation and quarantine of individuals.
- Collecting and recording accurate information using Microsoft access database software.
- Facilitating health checks and test, as well as referring contacts to available campus resources and Providing contacts with regulated information on isolation and quarantine procedures.

PROJECT EXPERIENCE

Mitigating Risk and Minimizing Damage

Albany, NY

CEHC 449: Cybersecurity Plan Risk Mngt

AUG 2022—NOV 2022

- Establish an incident response team and plan for quick and effective response to cybersecurity incidents.
- Identify threats, develop procedures, select tools and technologies, and train the team to handle incidents.
- Conducted robust testing and refinement of the incident response plan to strengthen cybersecurity posture and mitigate risks.

Static And Dynamic Analysis On Firefox Executable

Albany, NY

BFOR 618: Malware Reverse Engineering

SEP 2023—DEC 2023

- Conducted static analysis using tools such as Detect it Easy (DIE), HashCalc, HxD, and IDA Pro, deciphering binary code and examining the executable file's interactions with the operating system during specific tasks.
- Applied dynamic analysis techniques with Dirwatch, Regshot, and Procmon to scrutinize executable behavior, identifying modified files and gaining insights into its operational patterns.

Findings:

- Unearthed a key revelation during static analysis: Firefox maintains a separate executable for its incognito mode, demonstrating a nuanced understanding of the browser's internal architecture.
- Investigated and identified the storage location of login credentials within a JSON file, subsequently employing Visual Studio (Python) to crack the file.

CERTIFICATIONS

- FEMA IS-100C: Incident Command Systems
- FEMA IS-700B: Incident Management System.
- FEMA IS-800D: Response Framework
- A&M EC AWR173 136: Information Security
- COMPTIA Network+

TECHNICAL SKILLS

- Risk Management
- Threat Intelligence
- Incident Response
- Malware analysis
- Python
- Java
- HTML
- Operating systems
- Microsoft Office expert
- Network engineering (GNS3)
- Network monitoring
- NIST 800-53