Nicolas D. Janis

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SKILLS

- Cisco-Intermediate
- Proficient in Microsoft Office Tools
- Java-Intermediate
- Computer Networking-Intermediate
- Python-Intermediate
- PowerShell-Beginner
- HTML-Intermediate
- Intermediate Understanding of Portuguese
- Windows-Proficient
- Linux-Proficient

EDUCATION

College of William & Mary   **Williamsburg, VA**   **2022-Present**
Major   Computer Science
Studying Computer Science with a focus on IoT security analysis and embedded systems. Works as a member of Secure Platforms Lab as a member and researcher. Founder of TribeCyber, a cyber security club, ranked 37th in Eastern Colleges and 86th nationally in the National Cyber League.

Academies of Loudoun   **Leesburg, VA**   **2020-2022**
Took Dual Enrolled courses with Northern Virginia Community College focusing on Computer Networking with a focus on CISCO's design and equipment, as well as courses in Cyber Security.

Northern Virginia Community College   **Loudoun County**   **2020-2022**
Took Dual Enrolled courses in computer networking, cyber security, English, and Government.

Independence High School   **Brambleton, VA**   **2019-2022**
Advanced Studies Diploma (4.52 GPA)

VOLUNTEER/WORK EXPERIENCE

ManTech International   **Herndon, VA**   **July 2022-Present**
DFEND Technical Intern
Design and work on custom software solutions written in Python and Rust, using a combination of OCR and AI/ML. Also, focus on hardware reverse engineering and exploitation projects with embedded devices and mobile devices.

- Reverse engineering embedded and mobile devices: IDA, Ghidra, C, and Frida
- Design custom software solutions: Python, Rust, and build tools using Makefiles
- Dynamic malware analysis: Wireshark, PowerShell, Volatility, and Autopsy
- Design training tools for embedded system analysis: MircoPython, C, and ARM

Secure Platforms Lab   **Williamsburg, VA**   **November 2022-Present**
Member/Researcher
Work on research focusing on vulnerability analysis of Android apps using Software Bill of Materials, using custom tools written in Golang. Also, work on reverse engineering a common IoT SDK, looking for privacy and security converns

Cypher VIII   **Williamsburg, VA**   **April 2023**
Presenter/Workshop Lead
Ran and presented a talk/workshop focusing on Android and Java Reverse Engineering. The workshop included custom-written challenges in Java and C teaching reverse engineering principles and tools.

Northern Virginia Community College   **Sterling, VA**   **June 2022**
Guest Speaker/Lecturer
Presented as a guest speaker at Northern Virginia Community College's IT Bridge program, lecturing on networking fundamentals and web design.

Data Intelligence Solutions   **Ashburn, VA**   **June 2021-Aug 2021**
Data Science Research Intern
Worked on a project creating an Automatic License Plate Recognition system using machine learning and artificial intelligence in Python.

- ❖ Custom user solution written in Python using AI/ML: OpenCV, OpenALPR, Pandas, and SQL
- ❖ Custom analytics platform: SQL and Grafana
- ❖ Full open-source code and user/developer documentation: GitLab

ACHIEVEMENTS

- ❖ Recipient of National Cyber Scholarship (Scholar with Honors *April 2021, April 2022, April 2023, April 2024*)
- ❖ Recipient of National Cyber Scholarship (Competition – Scholar Award *April 2021*)

CERTIFICATIONS

- ❖ SANS GIAC GSEC: Oct 2023
- ❖ CompTIA Security+: May 2022
- ❖ CompTIA A+: February 2022
- ❖ SANS GIAC GFACT: January 2022
- ❖ Cisco Certified Network Associate (CCNA): June 2021
- ❖ CompTIA Network+: March 2021
- ❖ Occupational Safety and Health Administration (OSHA), Construction Safety & Health Certification. October 2020

INTERESTS/ACTIVITIES

- ❖ National Honor Society, Independence High School, Oct 2020-2022
- ❖ Marching Band, Independence High School, Aug 2018-2022
- ❖ Track and Field, Ashburn Elite Track Club, Dec 2017-2022

AWARDS

- ❖ Junior Olympics-Track and Field-Qualified, NVA Track Club, July 2019, July 2022
- ❖ AAU Indoor National Championships-Silver Medals, Mar 2019