Nickolas Daniel Diaz

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Education

Florida Polytechnic University   Lakeland, FL

Bachelor of Science in Computer Science (BS) GPA 3.15   December 2026

Concentration: Information Assurance and Cyber Security.

Relevant Coursework: Object Oriented Programming, Data Structures in C++, Computer Architecture and IT/Cybersecurity Fundamentals. Python/C++ programming, Database 1

Cypress College University   Cypress, CA

Associate of Science in Computer Science (AS) GPA 3.41   August 2024

Academic Projects - github.com/nickolasddiaz

Password Manager

- Built Website using python flask and Postgres database for the backend and JavaScript for the frontend.
- Defends against common web vulnerabilities such as XSS, SQL injection, CSRF, and dos attacks.
- Implemented JWT and CSRF tokens for authentication, and AES CBC mode for encryption to securely store data.

Text Editor

- Built using Windows API in C++, used data structures such as rope, data buffer.
- Features such as tabs, undo/redo using the command pattern, saving and opening files.

2D Video Game

- Built Game using Java with the Libgdx framework.
- World generation used cellular noise for the terrain and wave collapse algorithm for the roads.
- Implemented a leaderboard system and spatial partitioning for collision detection.

Certifications

- CompTIA A+   January 2023
- CompTIA CYSA +   April 2023
- CompTIA Security+   January 2023

Skills

Programing: C++, Java, python, and JavaScript

Tools: Wireshark, Splunk, Zeek, Nessus, OpenVAS, Sysmon, Volatility and Autopsy

Skills: Web Security, networking fundamentals such as OSI model, and protocols like HTTPS, SMTP, and FTP, hardware and software skills, Active Directory basics, encryption, Debian Linux Kernal operating systems.

Clubs: Florida Poly cybersecurity club, soccer team and Latin American Studies Association (LASA).

Events: Participated in the CCDC 2025 Regionals and Hivestorm 2024