Nickolas Diaz

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Education

BS	**Florida Polytechnic University**, Computer Science – Lakeland, Fl, USA	Aug 2024 – Dec 2026

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

AS	**Cypress College University**, Computer Science – Cypress, Ca, USA	May 2022 – Sept 2024

Projects

Cybersecurity Labs
- Conducted traffic analysis using tools like Snort, Zeek, and Wireshark
- Investigated Anomalies in SIEM tools like Splunk and ELK
- Used cyber defense frameworks like cyber kill chain to tract down a simulated attack

Password Manger
- 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, and CSRF.
- • Implemented JWT and CSRF tokens for authentication, and AES CBC mode for encryption to securely store data.

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.

Basic Programming Language
- Python-based compiler that generates assembly and binary code
- High-level programming language with C/python-style syntax
- Custom microcode architecture designed in Logic-SIM Evolution
- 114 instruction opcodes supporting arithmetic, logic, control flow

Certifications

Cisco CCNA	June 2025
CompTIA CYSA+	Apr 2023
CompTIA Security+	Jan 2023
CompTIA A+	Jan 2023

Skills

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

CyberSecurity: Web Security, networking fundamentals, defense frameworks, network Security and traffic Analysis

Clubs: Florida Poly cybersecurity club, and soccer team