

## Nickolas Daniel Diaz

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### Education

#### Florida Polytechnic University

Lakeland, FL

Bachelor of Science Computer Science

Expected Graduation Fall 2026

Concentration: Information Assurance and Cyber Security.

Relevant Coursework: python programing, Object Oriented Programming, Data Structures in C++, Computer Architecture and IT/Cybersecurity Fundamentals.

#### Cypress College University

Cypress, CA

Associate of Science Computer Science, GPA 3.41

September 2022 - August 2024

### Academic Projects

#### Text Editor

- Built using Windows API in C++, used data structures such as rope, data buffer.
- Design patterns such as command and memento patterns.
- Features such as tabs, undo/redo tree, syntax highlighting, and password protect files.

#### Password Manager

- Website built 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.

### Certifications

- CompTIA A+, CompTIA CYSA +, CompTIA Security+

### Skills

**Programing:** C++, python, JavaScript, and PowerShell

**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, GitHub and visual studio.

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