

Tyler Carpenter

Networking and Security Enthusiast | Information Technology Student

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Education

University of Central Florida

2026

Bachelor of Science in Information Technology, Secure Comp. & Network Minor

Relevant Coursework: Computer Science 1, Object-Oriented Programming, Databases, Computer Architecture, Cryptography, Human-Computer Interaction.

Projects

Network Security Implementation

2024

- Designed and implemented a Network Intrusion Detection System using Python and Snort to monitor, analyze, and secure network traffic.
- Configured a custom firewall using iptables on a Linux server, ensuring robust network security and access control.

Restaurant Website User Interface Development

2024

- Developed a dynamic and user-friendly website prototype for a restaurant with front-end design with a focus of producing an ideal user interface. Incorporated features such as menu display and online ordering to enhance user experience.

Online Nail Business Website Development

2024

- In Progress - Developing a website for online beauty business website using HTML, CSS, and JavaScript with front-end design, backend integration, and responsive web development practices (Expected Completion December 2024).

Restuarant Operations Optimization Programming

2023

- Created a comprehensive suite of programs to optimize restaurant operations, including queue management, location mapping, recipe and inventory tracking, customer rewards, and route optimization.

Pet Boarding Database

2023

- Facilitated a SQL project for a pet boarding system, optimizing database schema for efficient management of pet bookings, owner information, and scheduling.

Experience

Goodfellas Pizzeria, Delivery Driver

2022-2023

- Coordinated with colleagues to ensure order accuracy and great customer service.
- Demonstrated excellent time management, punctuality, and effective customer interactions.

Certifications and Technical Proficiencies

- CompTIA Network + | CompTIA Security+ | CompTIA Linux+
Expected Completion: October 2024 - August 2025 (UCF CECS Certifications Program)
- Proficient in Python, C, Java, and Assembly Language.
- Experience in Database Management (SQL and Tableau).
- Knowledgeable in Operating Systems (Linux, Windows).
- Displays exceptional communication, team building, and time management skills.
- Conveyed adaptability and diligent problem-solving and troubleshooting skills.