Emanuel Botros

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EDUCATION

University of Central Florida
- Master of Science - Cybersecurity and Privacy
- Bachelor of Science - Information Technology
- Awards - President's List (Fall 2023, Spring 2023, Fall 2021) / Florida Bright Futures / National Scholars Award / Dean's List (Fall 2024, Spring 2022)

Expected Graduation: August 2026
Graduated May 2025

SKILLS & CERTIFICATIONS

o Security & Software Tools - (Nmap, Burp Suite, Wireshark, Kali Linux, Nessus, Metasploit)
o Certifications - (CompTIA Security+, CompTIA Linux+ (In Progress), AWS Academy Cloud Security Foundations, AWS Academy Cloud Foundations, TestOut IT Fundamentals Pro)
o Virtualization & Monitoring Tools - (OpenVAS, Trivy, VMware, Splunk, VirtualBox)
o Programming & Scripting - (Python, Java, C++, SQL, PowerShell, Bash, JavaScript)
o Networking - (TCP/IP, DNS, VPN, Cisco Packet Tracer, AWS, Azure)
o Cloud & Infrastructure Security - (Virtual Machines, Information Security, Risk Management, Cloud Security Principles)
o Security & Compliance Frameworks - (ISO/IEC 27001, NIST, SOC 2, HIPAA, GDPR)
o System Administration - (Windows Server, Linux, Unix, Ubuntu, macOS, iOS)

PROFESSIONAL EXPERIENCE

Technical Support Specialist   May 2025 - Present
UDT · Full Time   Orlando, FL

- Performed thorough hardware diagnostics and vulnerability assessments to identify and mitigate potential security risks in IT equipment before deployment.
- Assisted in implementing security protocols and best practices during repair processes, ensuring integrity and confidentiality of sensitive data and devices.

IT Support Consultation Agent (Level 1)   Nov 2024 - Jan 2025
Geek Squad · Seasonal Role   Melbourne, FL

- Conducted vulnerability scans and assisted customers in securing their devices with antivirus solutions to mitigate network risks.
- Installed, configured, and repaired software, performed data backups, and explained technical problems and solutions in an accessible manner to enhance customer satisfaction, contributing to a 20% increase in customer loyalty.

PROJECTS

- ***Three-Tier Distributed Database Application - (Java / HTML / Apache Tomcat)***
  - o Collaborated on the logic aspects of a database application that helped find a way for users to interact more while documenting users' data and securing task written in Java and SQL using Apache Tomcat to run the server.
- ***SecurePOS Application - (Python)***
  - o A Python-based Self-Checkout Assistant program that allows users to add products, calculate totals, apply discounts, and generate receipts while also including features such as data persistence, and securely saving transaction history.
- ***GuardianTask Application - (Java / GUI)***
  - o Developed an App that assigns and secures notes for users' written in Java using GUI. The App provides a level of protection using multi-factor authentication, strong passwords, and backups.
- ***CipherCart Application - (Java / GUI)***
  - o Engineered an App from scratch with 5 of my IT colleagues using Java to create a GUI platform that selects, stores, and manages items. The App lets you buy, change quantities, and get the overall total cost securely.

ACADEMIC INVOLVEMENT

- o ***Hack @ UCF – Secretary***   *May 2024*
  - ▪ Joined UCF's #1 cybersecurity club to learn more about network security fundamentals and concepts as well as familiarize myself with topics relating to information security and cloud computing.
- o ***Capture the Flag Cyber Competition – (CTF) Competitor***   *Jan 2023*
  - ▪ Participated in cybersecurity CTFs involving reverse engineering, OSINT, and exploitation challenges to capture flags in limited time.
- o ***National Society Of Leadership & Success (NSLS) – Committee Member***   *Nov 2022*
  - ▪ Involved in numerous leadership and success-related projects and meetings to create better connections and improve my networking skills among students/colleagues all around UCF.