Emanuel Botros

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EDUCATION

University of Central Florida
- Bachelor of Science in Information Technology **Graduated May 2025**
- Minor - Cybersecurity and Networks
- Awards - President's List (Fall 2023, Spring 2023, Fall 2022) / Florida Bright Futures / National Scholars Award / Dean's List (Fall 2024, Spring 2023, Fall 2022)

SKILLS & CERTIFICATIONS

- Security & Software Tools - (Nmap, Burp Suite, Wireshark, Kali Linux, Nessus, VMware, Metasploit, OpenVAS, Trivy, Splunk)
- Certifications - (CompTIA Security+, AWS Academy Cloud Security Foundations, AWS Academy Cloud Foundations, TestOut IT Fundamentals Pro)
- Programming & Scripting - (Python, Java, C++, SQL, PowerShell, Bash, JavaScript)
- Networking - (TCP/IP, DNS, VPN, Cloud Security, AWS, Azure)
- Cloud & Infrastructure Security - (Infrastructure Security, Infrastructure as Code, Virtual Machines, Information Security, Risk Management)
- Security & Compliance Frameworks - (ISO 27001, NIST, ISO/IEC 27000 Series, SOC2, HIPAA, GDPR)
- System Administration - (Windows Server, Linux, Unix, Ubuntu, IOS, MacOS)

PROFESSIONAL EXPERIENCE

Seasonal Technical Consultation Agent 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 optimized system performance, improving overall store efficiency.
- 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)***
  - 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)***
  - 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)***
  - 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)***
  - 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

- ***UCF Collegiate Penetration Testing Competition (CPTC) – Competitor*** *May 2024*
  - Worked on several projects involved bridging and addressing the gap in cybersecurity skills by educating other college students on technology, communication, and collaboration.
- ***Hack @ UCF – Secretary*** *Jan 2023*
  - 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.
- ***Capture the Flag Cyber Competition – (CTF) Competitor*** *Nov 2022*
  - Participated in all sorts of challenges and tasks that involved going through various sub-domains to find a hidden file or a piece of information known as the flag in a reasonable time frame.
- ***National Society Of Leadership & Success (NSLS) – Committee Member*** *Aug 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.