

Robert Price

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Skills

Excellent professional communication capabilities; seasoned writer and speaker. Flexible and adaptable to my environment. Creative problem solver. Team player and leader. Practiced penetration tester. Can automate tasks and repetitive behaviors. Depth of knowledge in security principles and application. Entrepreneur and business owner. Practiced sound engineer of six years. Speak Portuguese & Spanish

Internship

AUGUST 2023 - MAY 2024

RTX / Raytheon – *Intern – Cybersecurity Architect*

- Through UF's year long product design program, worked for RTX to create a SIEM based on their previous implementation, but with UI/UX improvements, improved & optimized detection, and detection of specific attacks with appropriate alerts and administrator response options.
- Conducted penetration testing utilizing standard tools such as those provided with Kali Linux, and created scripts of my own for special cases, log generation, and just to practice.
- Served as head researcher, aggregating information for team in database on attacks and their detection, Windows OS, Splunk, etc.
- Used Agile development

Work Experience

JUNE 2019

PBC Clerk & Comptroller's Office – *Intern*

- Performed basic tasks for employees and wrote up
- Tailored presentation of inventory to each customer
- Utilizing the skills and knowledge accrued throughout the internship, won a mock trial with a real jury and judge as a civil defense attorney

DECEMBER 2019 - AUGUST 2021

Publix Supermarket – *Deli Clerk*

- Worked in providing top quality customer service
- Had countless regular customers who would request me/returned as a result of my service
- Learned how to work in a fast pace, high energy, dynamic environment

FEBRUARY 2022

ShakeSmart – *Clerk*

- Similar responsibilities to Publix, but in a smaller and sometimes even faster pace environment

Education

AUGUST 2020 - PRESENT

University of Florida, FL – *Bachelor's Degree in progress*

Currently studying computer science at UF, hoping to specialize in either cybersecurity or machine learning, and possibly minor in a language

IMPORTANT CLASSES

- CIS4360 - Computer & Information Security
 - Several components of Cybersecurity are covered, including types of attacks, mitigation strategies, cryptography, blockchain, and general information security.
- CIS4204 - Penetration Testing: Ethical Hacking
 - This course comprehensively covers everything required to become an amateur penetration tester, including every possible type of attack, vulnerabilities and how to find and fix them, several methods of reconnaissance, and more.
- CDA3101 - Computer Organization

- Covers logical basis of computer structure, machine instructions, assembly language (ARM), processor pipelines, and memory hierarchy structures.
- CNT4007 - Computer Network Fundamentals
 - Covers internet structure and architecture, protocol layering, network congestion and its origins, transport and congestion control protocols (TCP, ATM ABR), network layer and routing protocols (unicast and multicast), link layer and MAC protocols, wireless and mobile networks, and brief introduction to ad hoc, sensor and delay tolerant networks.
- COP3530 - Data Structures and Algorithms
 - Covers algorithm development, crucial basic data structures, and design techniques.
- COP4600 - Operating Systems
 - Design and implementation of various components of modern operating system. Much work with linux kernel and shell. Projects include creating patch files that add system calls, threading processes, etc.
- CAP4770 - Intro to Data Science
 - Covers basic concepts, ideas, algorithms, and techniques for data mining and analytics
- MAC2313 - Calculus 3
- MAS3114 - Computational Linear Algebra
 - Linear algebra with algorithm design projects in MATLAB

PHY2054 - Physics 2 (Lab also taken)

Projects

Code Projects

Minesweeper - 2021

- Fully functional recreation of Minesweeper
- Created with C++, preexisting UI assets, first experience with API

WikiPath - 2021

- Minimalist yet user friendly script that finds the shortest path between two wikipedia articles (6 degrees of wikipedia solver) using BeautifulSoup
- Written in python

Calculator++/Covert Crisis - 2021

- Resource and hotline android app for abuse victims disguised as a minimalist calculator
- Concept app with minimal functionality
- Written in kotlin/xml
- First project with development team, won best project of class section for the semester

TCP Server/Client Calculator System - 2023

- Successfully connects two computers, enabling the host to request the result of adding, subtracting, and multiplying up to 4 integer values.
- Java

Creating Process Log Message System Calls in Linux-based OS Reptilian - 2023

- Created a patch file that would apply changes resulting in the creation of new system calls that would enable a process to retrieve its process level (which correlates to a kernel level, eg. `KERNEL_ERR = PROC_OVERRIDE`), and a library with user-space functions that make these calls.
- Written in C++/C

Whistle (Twitter Clone) (IN PROGRESS) - 2023

- A basic web application that resembles twitter functionality, with the ability to create a user, update the account, post "whistles", like those of other people, explore all posted whistles, follow and unfollow other users, search for whistles, etc.
- First FULL STACK project, learning good practices like creating separate router and controller files, having a verification middleware to confirm only the authorized user is performing actions, etc.
- MERN STACK

