

## RICHARD FLORES

MARYMOUNT UNIVERSITY

GRADUATING FALL 2025

B.S. INFORMATION TECHNOLOGY

## MILITARY SERVICE



**U.S. AIR FORCE** 



#### TRANSFERABLE SKILLS



#### **TECHNICAL SKILLS**



Linux Tools



Biometrics



Physical Pentest



Radio Cryptography



Report Writing

# ACADEMIC PROGRESS



## A.S. Information Technology

Graduated Fall 2023, Cum Laude



#### **RELEVENT COURES:**

Network Communication-Security-Authentication
Network Security Basics
Computer Science I
Scientific Programming
Programming Tools
Microcomputer Operating Systems
Personal Computer Hardware and Troubleshooting
Introduction to Telecommunications
Spreadsheet Software
Intro. to Digital & Information Literacy & Computer Apps.
Introduction to Human Communication

#### **RECOGNITIONS:**

Presidential Scholars List, Fall 2023 Presidential Scholars List, Spring 2023 Dean's List, Fall 2022

# ACADEMIC PROGRESS



|     |     | SPRING 2024 (01/08/2024 | to 05/0 | 04/2024 | ) |       |
|-----|-----|-------------------------|---------|---------|---|-------|
| IT  | 210 | SOFTWARE ENGINEERING    |         | 3.00    | A | 12.00 |
| MGT | 123 | THE BUSINESS EXPERIENCE |         | 3.00    | A | 12.00 |
| TRS | 100 | THEOLOGICAL INQUIRY     |         | 3.00    | A | 12.00 |
| IT  | 129 | PYTHON SCRIPTING        |         | 3.00    | A | 12.00 |
| IT  | 323 | JUNIOR IT SEMINAR       |         | 1.00    | A | 4.00  |
| MA  | 132 | STATISTICAL ANALYSIS    |         | 3.00    | A | 12.00 |
|     |     | Term GPA 4.000          | Credit  | 16.00   |   |       |
|     |     | Cum GPA 4.000           | Credit  | 100.00  |   |       |
|     |     | Dean's List             |         |         |   |       |

## B.S. Information Technology

Minors: Cybersecurity, Digital Forensics, & Network Security



















#### **RELEVENT COURES:**

Cybersecurity-Attack & Defend (registered)

Corporate Cybersecurity (registered)

Software Testing and Quality Assurance (in progress)

Software Engineering

Advanced Python Applications (registered)

Python Scripting

Database Technology (in progress)

Cloud Computing (in progress)

Statistical Analysis

Project Management (in progress)

Cyberethics (registered)

IT Internship (in progress)

Capstone Project (registered)

#### **RECOGNITIONS:**

Dean's List, Spring 2024

rmfloresii.github.io







#### INTERNSHIP:

Cybersecurity Research Assistant

Automated Red Team Infrastructure Deployment

### **CERTIFICATIONS**



#### CompTIA

A+ (RFQZ0K7Z22Q1QLWY)
Security+ (GXDHFHZYN2EE1090)

Cybersecurity Analyst CySA+ (GK9DW3LTBJVQQG58)



#### ISC<sup>2</sup>

Certified in Cybersecurity CC (061397)

isc2.org/MemberVerification

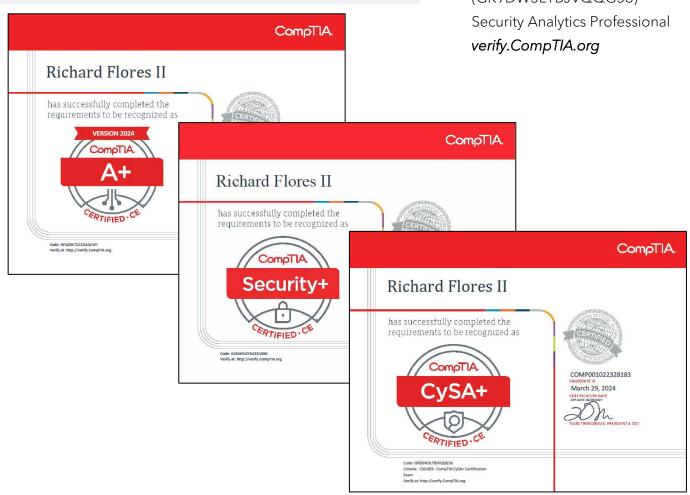


#### CTIA

Wireless Industry Service Excellence (WISE) Lvl. I

WISE Lvl. II (21854)

ctiacertification.org





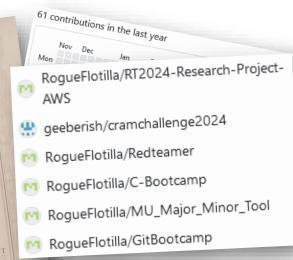
### **TECHNICAL WORKSHOPS**













### **SAMPLES OF WORK: DIGITAL FORENSICS**

LAB REPORT Project Questions to Answer

2012 National Gallery DC Attack

Richard Flores Northern Virginia Community College

ITN 262 01YA

Prof. "Michael" Hon

LAB REPORT: Project Questions to Answer

I Summary

This report covers a period of time between approximately July 6, 2012, to July 15, 2012, involving two separate crime plots intermingled together due to the connection of one person, Tracy (a.k.a. Coral), in both conspiracies. Tracy is a divorced mother of one who is having financial struggles and is likely unable to continue affording the private school her daughter, Terry, attends. She has asked her ex-husband, Joe, for assistance, but he has made no commitments to help.

Some memorandums involving shipping details and insurance for a stamp display coming to the DC Art Gallery have come across Tracy's desk, and she becomes aware of their value. She enlists the assistance of her brother, Pat (a.k.a. Perry), and a police detective, who is willing to assist his sister in the planning of the theft of the stamps. Pat recently caught a parolee, king, in violation of his parole. King now owes Pat a favor, so he is blackmailed into helping as the robber for the plot.

The second plot involves a group of Krasnovians and Krasnovian sympathizers who plan on defacing a Majavian art display at the art gallery. Carry (a.k.a. Cat) is contacted by her "uncle" (family friend), Alex, and both start planning for the attack on the art display. Alex is sending several Krasnovian militants to the US to assist Carry in the plot. Carry sends some files to assist in the forgery of ePassports to get them into the country. She is coordinating with a flash mob coordinator, Drex Mustafar (a.k.a. Mike), who is likely one of the Krasnovian militants. It is unclear if they are going to use a flash mob as a distraction, or if this is merely a codeword for the attack. Carry enlists Tracy's help in smuggling her tablet into the art gallery which is used to transport details of the security, events, locations, and images from the art gallery.

LAB REPORT: Project Questions to Answer E. Map showing plots of photo locations and other GPS data from navigation and browsing history. (DOUBLE CLICK TO OPEN AND SEE PLOTS)

LAB REPORT: Project Questions to Answer

- D. Tablet Photos Timeline (locations determined using names/addresses within photos themselves, Google Lens image search, and Google Street View tracking between identified locations on either side of photo).
  - a. Carry meets someone for dinner at Firehook Bakery on July 8th. This does not match up with the time Tracy met her brother for lunch on July 6th. Could be a meeting for the defacement plot.
  - b. There are photos of security cameras the morning of Carry transferring the tablet to Tracy. Perhaps scoping out the outside security? There was no identifiable information or GPS data to pin
  - c. There are photos from Roaches run contained on the tablet the day after it was smuggled into the Gallery. Either the Shien person is another accomplice, or an alias of Carry and Tracy was returning the tablet to her there

| Photo | Location   |              | Timestamp |  |
|-------|--|--------------|-----------|--|
|       | Crate & Barrel<br>2800 Clarendon Blvd<br>Arlington, VA 22201 | July 7, 2012 | 5:49 PM   |  |
|       | Firehook Bakery<br>1909 Q. St. NW<br>Washington, DC 20009    | July 8, 2012 | 5:31 PM   |  |

REPORT: Project Questions to Answer Majavjan Artwork (Aley/Carv) A. Perry Patsum asks King for help with the heist and threatens/blackmails King to get his parole officer to drug test if he doesn't help. Tracy Phone B. King agrees to help and needs some supplies.











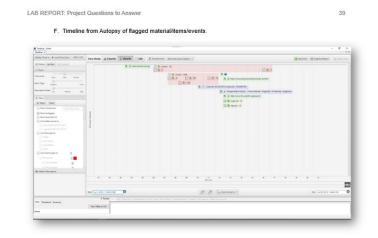


get for the guy thats going to make our job happer

LAB REPORT: Project Questions to Answer

1. A spreadsheet compiled of data of all the people involved.

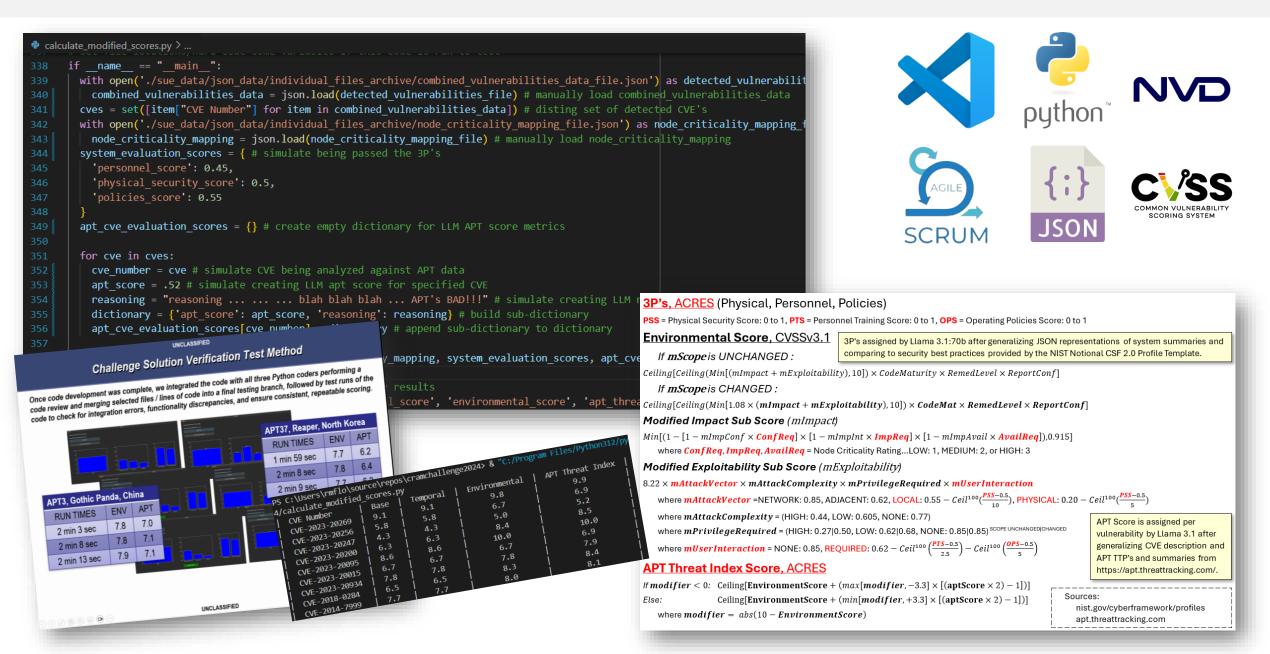
| Name                          | Description                                  |  |  |  |
|-------------------------------|--|--|--|--|
| Alex1.                        | Wealthy Krasnovian bus                       |  |  |  |
| Carry Sumsa.k.a. "Cat"        | Krasnovian supporter i                       |  |  |  |
| Drex Mustafar a.k.a. "Mike"   | Suspected Krasnovian                         |  |  |  |
| unknown person                | Possible Krasnovian m                        |  |  |  |
| PerhamShien?                  | Possible Krasnovian m<br>Criminal; busted by |  |  |  |
| King                          |  |  |  |  |
| Perry Patsum a.k.a. "Pat"     | Tracy's brother, Police                      |  |  |  |
| Tracy Sumtwelve a.k.a."Coral" | Supervisor at National A                     |  |  |  |
| Terry Sumbwelve               | Tracy/Joe's Daugh                            |  |  |  |
| Joe Wurntwelve                | Tracy's ex-husba                             |  |  |  |
| Jamie?                        | Who is Jaime?                                |  |  |  |



### **SAMPLES OF WORK: UNIT TESTING**

calculateBtn = driver.find element(Bv.XPATH, calculateBtnXpath) testResult = "PASS" Test Valid Private IP address print(f'Entered Address was: {ipv4Address}') selectSubnetFie print(f'\nNetwork Address should be: 192.168.25.0') ipv4Field.clear inv4Field.send Calculator.net Test Case 01: Calculate Valid Private IPv4 print(f'Network Address calculated: {networkAddress}') calculateBtn.cl inv4AddressXnat networkAddressX print(f' Network Address Result: ', end='') usableHostsXpat Update apt cache and install pre-regs ipv4Address = 0 networkAddress if networkAddress == "192.168.25.0": usableHosts = 0 print("PASS") |pip install selenium !apt install chromium-chromedrive Print out else: Load Selenium Web Driver testResult = "P print("FAIL") print(f'Entered print(f'\nNetwo testResult = "FAIL" print(f'Network print(f' Netwo from selenium.webdriver.chrome.service import Service print(f'\nNum Usable Hosts expected: 254') if networkAddre chrome\_options = webdriver.ChromeOptions() print("PASS") else: chrome\_options.add\_argument('--window-size=2050,2050') print(f'Usable Hosts calculated: {usableHosts}') Bonsu, Flores, Karki 1 print("FAIL") chrome\_options.add\_argument('--headless') testResult = chrome\_options.add\_argument('--no-sandbox') Nana Bonsu Richard Flores Shushil Kark print(f'\nNum L chrome options.add argument('--disable-dev-shm-usage') print(f' Num Usable Hosts Result: ', end='') print(f'Usable driver = webdriver.Chrome(options=chrome\_options) Dr. Alex Mhaziira print(f' Num U if usableHosts == "254": IT 355 A if usableHosts print("PASS") Define URL to test November 9, 2024 print("PASS") Import functions to locate form element print("FAIL") Project 2: Test Cases Report testResult base url = "https://www.calculator.net/ip-subnet-calculator.html" I. INTRODUCTION else: print(f'\nCulmu driver.get(base url) Calculator net is a website that provides online access to a scientific calculator [4] from selenium.webdriver.common.by import By print("FAIL") for traditional calculations, as well as a comprehensive repository of over 200 from selenium.Webdriver.support.ui import Selec specialized calculators for finance, fitness, health, math, and other fields. From a Import functions to locate form elements testResult = "FAIL" subnetFieldXpath = '//\*[@id="csubnet"] password generator that is useful for creating strong, random passwords based on rules print(f'\nCulmulative result of Test: {testRes ipv4FieldXpath = '//\*[@id="cip"]' selected, to making conversions from kilometers to miles or celsius to fahrenheit, and calculateBtnXpath = '/html/bo subnetField = driver find element (By XPATH, subn even random dice rollers, most users will find something useful for their everyday lives Calculator.net provides online access to a selectSubnetField = Select(subnetField) Calculator.net or even just to play around with when bored. For the fields of computer science scientific calculator, as well as over 200 ipv4Field = driver.find\_element(By.XPATH, ipv4Fie specialized ones for finance, fitness, health, math, Entered Address was: 192.168.25.27 information technology, cybersecurity, and other related computer or technology fields calculateBtn = driver.find\_element(By.XPATH, calc users will likely find the IP Subnet, Password, Binary, Hex, and Bandwidth calculators most useful. For the purposes of this test case report, the IP Subnet Calculator will be Test Valid Private IP address Network Address should be: 192.168.25.0 the primary focus of test cases generated and conducted II TEST ENVIRONMENT Network Address calculated: 192.168.25.0 selectSubnetField.select\_by\_visible\_text("255.255.") These tests are to be performed within a variety of web browsers in order to Network Address Result: ipv4Field.send\_keys("192.168.25.27") platforms. Testers use a variety of devices, including Windows PC's, Macbooks calculateBtn.click() Android, and Apple IOS cellphones. On these devices, web browsers range from ipv4AddressXpath = '/html/body/div[3]/div[1]/table[ Num Usable Hosts expected: Firefox on Windows, to Chrome on Android, to Safari on Mac. Automation of testing will networkAddressXpath = '/html/body/div[3]/div[1]/table[-Usable Hosts calculated: usableHostsxpath = /Hom//Budy/DIV[3]/DIV[1]/HOUSE[3]/ ipv4Address = driver.find\_element(By.XPATH, ipv4AddressXpath).text networkAddress = driver.find\_element(By.XPATH, networkAddressXpath).text Num Usable Hosts Result: PASS usableHosts = driver.find\_element(By.XPATH, usableHostsXpath).text Culmulative result of Test: PASS

### **SAMPLES OF WORK: CYBERSECURITY ASSESSMENT**



## EXTRACURICULAR ENGAGEMENT



Cyber Resiliency and Measurement Challenge

#### **Student Government**

Senator, 2004 - 2005 Budget Committee





## **Summer Camps**

DC Public Schools GenCyber



#### Clubs

Intelligence Club, Cyber Club, Food for Thought, WiCyS, Grit & Grime League

## **FUTURE PLANS**

#### SHORT TERM

- Current internship extending through February 2025 for publishing work
- Received conditional offer for Department of State internship, Summer 2025

United States Department of State

November 6, 2024

Congratulations! The U.S. Department of State's Bureau of Global Talent Management, Talent Acquisition Managing Directorate, Office of Intake, Planning and Onboarding (GTM/TAC/IPO/ON) is pleased to extend to you a conditional offer as a Primary selectee for an internship with the Paid Student Internship Program for the Summer 2025 season. Acceptance or declination of this

#### LONG TERM

- Graduating Fall 2025
- Continuing with M.S. Cybersecurity
- Seeking Government employment

