

# Raven A.

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**GitHub:** [github.com/trojanMail](https://github.com/trojanMail)

Highly motivated professional with an aptitude for cybersecurity, seeking a position focused on cyber capabilities development and software engineering.

## EDUCATION

**Bachelor of Science in Cyber Engineering**  
**Minor in Mathematics, Minor in Computer Science**  
**Cyber Corps SFS Scholar, Honors Student**  
Louisiana Tech University, Ruston, LA, **GPA 3.62**

## COURSEWORK

Systems Programming	Cyber Operations	Reverse Engineering
Computer Network Security	Leadership Fundamentals	Digital Forensics & Cyber Crime
Operating Systems	Hardware Security	Calculus I – III
Intro to Microprocessors	Technical Writing/Briefing	Professional Communication

## PROJECTS

### **Engineering Design Expo 2019**

Collaborated with a team to design practical luggage that optimized ease of use by weighing itself and charging mobile devices

**Tools:** C, Arduino, Electric Circuits, Compression Load Cells, 3D Printing

### **Computer Science Design Expo 2019**

Collaborated with a team to design a mechanism that aided in the process of ordering groceries by notifying the users and automatically ordering it through Amazon

**Tools:** Python 3, C, Straight Bar Load Cell, Raspberry Pi, Amazon.com

### **Cyber Storm 2020**

Competed with a team to solve cyber security related challenges under a specified time limit. Placed 4<sup>th</sup>

**Tools:** Python 3, Kali Linux, Binary Decoder, Custom Scripts

## WORK EXPERIENCE

**Advanced Course in Engineering**, 06/02/2021 – 08/15/2021

**Location:** 592 Hangar Rd, Rome, NY 13441

**Company:** Griffiss Institute

**Job Type:** 40 hours per week, Full-Time

- Led weekly cyber operations with a team of 15 people
- Developed unit & integration tests for various projects
- Attended weekly cyber security and leadership workshops
- Presented solutions to cyber security challenges to a panel of evaluators
- Constructed detailed weekly reports discussing solutions to cyber security challenges

**Footwear Sales Associate**, 06/01/2019 – 09/03/2019

**Location:** 8464 Airline Hwy, Baton Rouge, LA 70815

**Company:** Academy Sports and Outdoors

**Job Type:** 20 hours per week, Part-Time

- Organized and maintained the shoe department by restocking shelves and assisting customers
- Assisted in the front end of the store by acting as a backup cashier

## **CERTIFICATIONS/ ACHIEVEMENTS**

### **Cyber Corps Scholarship for Service Recipient**

09/10/2020 – Present

Louisiana Tech University

### **CompTIA Security+ SY0 601**

Date Certified: 11/11/2021

### **Upsilon Pi Epsilon**

05/10/2020 – 05/21/2022

Louisiana Tech University

Ambassador 2021 – 2022

### **Association of Cyber Engineers**

09/10/2020 – 05/21/2022

Louisiana Tech University

Historian 2020 – 2021; Vice President 2021 – 2022

### **Honors Program**

09/09/2018 – 05/21/2022

Louisiana Tech University

### **Louisiana Tech Chess Club**

09/10/2021 – 05/21/2022

Louisiana Tech University

## **SKILLS/ RELEVANT TOOLS**

### **Cobalt Strike, Empire, Metasploit**

Used post exploitation tools to pivot throughout a network and extract critical information

Successfully extracted all critical documents with the above tools

6 months of experience with post exploitation tools

### **Windows PowerShell, Linux terminal**

Exploited systems with PowerShell and Linux terminal by pivoting throughout compromised networks and extracting data

2 years of experience with Linux Terminal

1 year of experience with Windows PowerShell

### **Python 3, Java, C**

Utilized Python 3 to develop network infrastructure and create testing environments for software

Utilized Java and C to build data structures

1 year of experience with Java and C

2 years of experience with Python 3

### **VHDL, Verilog**

Used hardware programming languages to display effects and construct physical unclonable functions on FPGAs

1 year of experience with VHDL and Verilog

### **Nexsys 3 FPGA, Basys 3 FPGA, Arduino, Raspberry Pie**

Programmed microcontrollers and FPGAs to create exposition projects and develop hardware security mechanisms

1 year of experience with FPGAs

1 year of experience with microcontrollers

### **Windows, Linux Operating Systems**

Utilized Windows and Linux operating systems to administer cyber effects

2 years of experience with Linux Distro

2 years of experience with Windows