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#### **EDUCATION**

# **BSc. in Computer Science**

Khoury College of Computer Sciences, Northeastern University, Graduating Dec '20

09/2016 – Present

#### Courses

- Foundations of Cybersecurity
- Algorithms and Data
- Theory of Computation
- Networks and Distributed Systems
- Foundations of Data Science

# Boston, MA

- Cryptography
- Object Oriented Design
- Programming Languages
- Web Development

## **WORK EXPERIENCE**

## **Network Analyst Co-op**

John Hancock Financial

07/2018 - 12/2018

Boston, MA

Achievements/Tasks

 Worked alongside the Networking team at John Hancock in Boston. Helped detect vulnerabilities in Cisco Routers and reduced false positives from 200-plus to less than 20.

## **Security Engineer Co-op** Rue Gilt Groupe

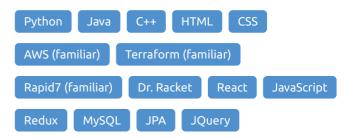
07/2019 – 12/2019

Boston, MA

#### Achievements/Tasks

- Created a MacOS and a Windows VM and tested if RueLaLa's website is vulnerable to ad injections.
- Made use of Akamai Luna Control Center for analyzing block traffic and blocking ISPs depicting bot trends.
- Wrote a python script that goes through the company directory and delivers a report which shows if any sensitive information is stored in clear text.
- Created a bastion host using terraform configured with AWS which ensured only authorized team members could access concerned server.
- Made use of Rapid7 to detect any suspicious activity occurring in the company system and took action accordingly.

#### **SKILLS**



### PERSONAL PROJECTS

Travel Planning website (2020)

- It is a web application where a user can look at travel plans created by travel agents (which is another user role).
- It is a react web app with a key feature being user authentication, where a user that is not a travel agent cannot create travel plans. A travel agent also cannot edit or delete travel plans created by other agents. Anonymous users do not have access to the same features as logged-in users.

#### Animator (2019)

 Developed an animation software in Java using the MVC pattern in which the user gives a readable file with descriptions of the animation using which the software renders that particular animation.

#### Basic Antivirus (2018)

- Developed a basic Antivirus system using python.
- It analyzes safe and malware binaries and produces signatures of malware
- Then, it analyzes some given binaries and determines if each one matches a malware signature or not.

#### Robotic RPS (2017)

- Programmed a Robot to play Rock, Paper and Scissors with a user using C++, Bash and MATLAB.
- The user can play using a Wii mote. After a few rounds the robot attempts to guess the user's next move.

#### ORGANIZATIONS

Tech Together Boston (09/2019 – 01/2020) 

Social Media Marketina

Social Media Marketina

Her Campus - Northeastern Chapter (2017 – 2018) Blogger

#### **LANGUAGES**

English

Hindi

Full Professional Proficiency

Full Professional Proficiency

Gujarati

Full Professional Proficiency

#### INTERESTS

Cooking

Travelling