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EDUCATION

BSc. in Computer Science

Northeastern University, Graduating May '21

09/2016 - 05/2021   *Boston, MA*

Courses

- Foundations of Cybersecurity
- Cryptography
- Algorithms and Data
- Object Oriented Design
- Theory of Computation
- Programming Languages
- Networks and Distributed Systems
- Web Development
- Software Development
- Foundations of Data Science

WORK EXPERIENCE

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.
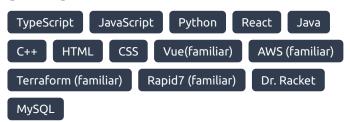
Network Analyst Co-op

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.

SKILLS

`TypeScript` `JavaScript` `Python` `React` `Java` `C++` `HTML` `CSS` `Vue(familiar)` `AWS (familiar)` `Terraform (familiar)` `Rapid7 (familiar)` `Dr. Racket` `MySQL`

PERSONAL PROJECTS

Fish Game (2020)

- Hey! That's My Fish is a two player game where each player gets a set of penguins and are presented with a game board with fishes on different tiles. The players would then take turns to strategically place their penguins on the board so that they get the maximum no. of fish.
- Technologies used were Typescript, Colyseus, HTML, CSS, and FabricJS.

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.

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 Marketing

Her Campus - Northeastern Chapter (2017 - 2018)
Blogger

LANGUAGES

English
Full Professional Proficiency

Hindi
Full Professional Proficiency

Gujarati
Full Professional Proficiency