

Daniel Pepin

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EDUCATION

John Jay College of Criminal Justice - City University of New York (CUNY)

Bachelor of Science in Computer Science and Information Security | GPA: 3.6/4.00

New York, NY

Expected: May 2021

Relevant Coursework

Discrete Structures, C++ Programming, Data Structures and Algorithms, Object Oriented Programming in C++, Computer Architecture, Capstone in cyber security 1 and 2.

TECHNICAL SKILLS

Programming: C++, Python, JavaScript, HTML, CSS, Java, Node.js, Bootstrap, React.js

Technologies: UNIX, WSL 2, Clion, Xcode, Visual Studio Code, Git/GitHub, Virtual Studio, OS X, Windows 10, Heroku, Firebase, Virtual Box, Kali Linux, Sleuth Kit, Volatility framework.

NIST compliant

PROJECTS

Scapy Packet Reader.

- Created a python script using the module Scapy in order to parse through Pcap Files provided by wire shark recordings.
- Used Whoami module in order to find geographical data on recorded IP addresses.

FoodWaze

November - December 2019

- Built a web application in a group of intended to connect CUNY students in hopes to reduce waste and save money by showing where you can find free food currently on their campus using html/css, React.js, Node.js, Passport, Heroku, and git.
- Implemented features where users were able to post listings of free food on their campus and also filter through certain criteria to look for listings.

Twitch Quotes(Discord Bot)

August 2020

- Built a discord bot using node.js API that allows the user to interact with the bot to summon it into a channel to play a certain popular clip from twitch.tv. The Bot is hosted on Heroku and available 24/7
- Allowed users to interact with the bot as a PokeDex taking data from the PokeApi online

Data Structures Implementation

January 2019 - May 2019

- Used queues which loaded a txt file and sorted the txt file alphabetically and frequent appearing word
- Used Singly Linked and Doubly Linked lists to sort integers from either lowest to highest or highest to lowest
- Used Stacks to recreate the dealing of a hand in poker.
- Created binary search tree and AVL tree

Volatility, A volatile memory analysis

- Used the volatility framework tool written in python in order to analyze captured memory from infected machines
- Using this tool allowed to look at a plethora of information including finding the infected and injected application and allowing to come up with a plan for isolation and determining the severity of the infection

RELEVANT EXPERIENCE

CUNY Tech Prep

New York, NY

Software Developer Student

June 2019 – May 2021

- Selected for a full stack JavaScript training program, as one of 125 students out of 400+ applicants
- Learn in-demand technologies like React, Node + Express, and PostgreSQL as well as industry best practices for design, implementation, and deployment such as MVC, version control with Git/GitHub, agile & scrum with Trello and Slack, test driven development, and CI/CD

Public School 48

New York, NY

Teaching Assistant

January 2017

- Taught and exposed 100 elementary school students basic concepts in Computer Science, using Scratch in groups of 10 at a time during the school day.

SUPPORTING EXPERIENCE

Riverdale - Young Men's Hebrew Association (YMHA)

New York, NY

Lifeguard

June 2017 – March 2020

- Supervised and ensured the safety of ~200 members daily to provide safe and smooth operation of all activities on the grounds of the pool
- Performed first aid and CPR to provide emergency care and treatment to members

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IPG Media Brands

New York, NY

Media Intern

August 2017

- Created a presentation with Microsoft Presentation and Adobe Photoshop to present an Employee and Intern Mentorship Program for 20 employees
- Produced up to 5 decks including draft and final drafts of the final presentation and created logos and slides with Adobe Photoshop and Microsoft PowerPoint
- Honed in professional skills such as presentation, teamwork, time management, and various other technological skills

LGBTQ Awareness Program, Bronx Academy for Software Engineering

New York, NY

Creator

September-June 2017

- Led program to bring awareness of the LGBT community to create a healthy environment for students within the school.