BRANDON APEROCHO

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EDUCATION

University of Toronto   Sept. 2014 – June 2019

Honours Bachelor of Science – Information Security Specialist & Minor in Mathematics

Relevant Coursework Completed:

- Data Structures and Algorithms
- Databases and Web programming
- Operating Systems
- Computer and Information Security
- Computer Networking
- Software Design and Engineering
- Computer Complexity and Computability
- Machine Learning and Data Mining
- Computer Forensics
- Algorithm Design and Analysis
- Artificial Intelligence
- Algebraic Cryptography

TECHNICAL SKILLS

Programming Languages:
Python, Java, C, Bash, Perl, Scheme, JavaScript

Technologies and Tools:
Windows, Linux, Git, LaTeX, Subversion, Wireshark, AXIOM, VMWare, KaliLinux, JUnit

Development Methods:
Scrum, Agile, UML, OOP, Functional Programming

PROJECTS

Penetration Testing and System Hardening

- Tested a vulnerable website and VM using the OWASP Top 10 and hardware security
- Created an in-depth written procedure for others to reproduce the results regardless of technical background
- Fixed vulnerabilities in the website by sanitizing user input and taking advantage of existing APIs

Mediums and Methods: Linux, PHP, HTML, JavaScript, SQL, Wireshark

Software Engineering (Game Development): Zombie Town

- Created a 2D top-down shooter, with the objective being to survive the endless waves of zombies
- Mainly managed the developmental tools, and docs and helped implemented the zombies and players

Mediums and Methods: MySQL, Tiled, Java (Slick2D, LWJGL, JORBIS), PivotalTtracker, MVC

Software Design: JShell

- A command line application that creates a fresh mock file system on each instance starting from root
- Implemented multiple POSIX commands such as: mkdir, cd, cp, rm, etc
- *Mediums and Methods:* Java, Scrum, JUnit, Subversion

EXPERIENCE

Think Green Lighting (TGL) – Project Manager   Sept. 2017 – Sept. 2018

- Planned meetings, and devised plans to complete a part of a multimillion-dollar project
- In charge of leading a team of electricians, training new recruits, and ordered all necessary supplies
- Wrote daily reports to update key stakeholders about the progression of the current tasks at hand

Think Green Lighting (TGL) – Work Site Supervisor and Labor Worker   June 2016 – Aug. 2016

- Managed multiple tasks and assigned them to others to ensure optimal workflow
- Ensured that all safety and company regulations were being followed by all workers on site
- Documented all activities and progress, then sent a final draft to the Project manager

ACTIVITIES & EXTRACURRICULARS

Ethical Hacking – Capture the Flag Competition

- This competition used Krypton Wargames, which is based on cryptography and cryptoanalysis
- Participated in the competition and was the team to capture the most flags in the allotted time

Spotify Podcast

- Investigated topics that everyone in the podcast can relate to and talk about
- Conducted research to stay up to date with world, tech and gaming news