

Shubhang Mall | *Security Analyst & Software Engineer / Green Card holder*

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EDUCATION

Bachelor of Engineering (B.E.) | Mechatronics major (software specialization) | McMaster University

• GPA: 3.30, Co-op designation, Dean's List Honor Roll, Admission Scholarship

Graduated 06/2020

Industry-Related Coursework: Networking & Security - Principles of Programming - Software Development - Signals & Systems - Embedded Systems Design - Product Design - Operating Systems - Economics

WORK EXPERIENCE

Information Technology Security Analyst Intern (Co-op) | President's Choice Financial | Toronto **05/2018 - 08/2019**

- Analyzed security reports on weekly, biweekly, and monthly basis to sort and identify critical vulnerabilities and server assets for discussion with security operations teams to initiate remediation/decommission processes and maintain SLAs.
- Resolved issue for patch management team not applying all available patches to critical Windows, Linux, and Database servers by assisting senior security directors and automation engineers to initiate patch automation effort increasing the number of patches applied by 35-50%.
- Assisted security project manager to log in-scope security incidents on ServiceNow SaaS platform by creating and completing necessary required technical documentation resulting in change requests for increasing security compliance.

LEADERSHIP EXPERIENCE

Software Developer (Contract) | Longan Vision Corporation

05/2020 - 11/2020

- Won *ENCQOR 5G Demonstration Program Grant* by developing a full-stack web application that uses 5G technology to livestream and save bodycam footage worn by first responders to a central command interface with streamline UI/UX.
- Integrated Amazon Web Services S3 Bucket access controls into the Python Flask framework code in the back end of the web application resulting in recorded footage being automatically saved over the cloud.
- Utilized HTML, CSS, and JavaScript for front-end development of live website/application to create an easy-to-use interface for authorized users to log in and access different bodycam feeds worn by each firefighter.

Product Development Modular Glass Frames (Project) | McMaster Engineering

09/2019 – 04/2020

- Led a team of 4 to invent, computer-design, and present detachable glass frames that fit all ages and head shapes resulting in top 5 selection; followed product design process: requirement gathering, tracking metrics and feedback.

Engineering Design Competition Apple Cutter (Project) | McMaster Engineering

09/2015 – 04/2016

- Led a team of 3 to create, design, and build device that cuts apples for client with disabled hand mobility resulting in top 3 selection out of entire engineering class; presented working prototype to industry professors and professionals.

AWARDS/ACHIEVEMENTS

ENCQOR 5G Demonstration Program Grant, \$50 000 | Longan Vision Corp.

11/2020

Certificate of Recognition, Outstanding Vulnerability Management | President's Choice Financial

12/2018

Dean's Honor Roll | McMaster University

05/2016, 05/2020

Entrance Award Scholarship, \$1000 | McMaster University

09/2015

CERTIFICATIONS

Machine Learning, Stanford University

In-Progress

Intro. Cyber-Security, University of California – Berkeley

06/2019

TECHNICAL TOOLS

Python, C, Unix, Git, ReactJs, JavaScript, ES6, Flask, SQL/PostgreSQL/MySQL, Bash/Shell, HTML/CSS/SASS, TypeScript, Node.js, Express, MongoDB, Amazon AWS, IBM DB2, REST/RESTful APIs, AutoCAD, Linux OS, Windows OS, Mac OS, Microsoft Office, Machine Learning (Numpy, Pandas, Scikitlearn, Matplotlib)