

Jonathan Chen



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Experience

Security Software Development Student

May-Aug 2019

BlackBerry - Mississauga, ON

- Developed a proof of concept digital key application in Android that leverages Bluetooth Low Energy to transfer string values between devices
- Integrated BlackBerry mobile features onto Android Automotive to highlight platform security capabilities for prospective customers
- Created bug fixes for BlackBerry Java Cryptography Architecture's Test App to refine the functionality of BlackBerry's cryptography offering
- Investigated Yocto to create a configurable Linux distribution for development by internal teams

Quality Engineering Intern

Sep-Dec 2018

Intersect - Ottawa, ON

- Developed an automated configuration script for Cloudera properties using JSON API calls in Bash to significantly improve the user experience
- Created conformity for twice as many Java Development Kits to boost the robustness of the Intersect product installer
- Constructed unit tests in Java and Bash to enforce a high code standard while also reducing laborious, manual tasks
- Performed hundreds of regression tests to certify the quality of the latest product release

IT Security Analyst

Jan-Apr 2018

Public Service Commission of Canada - Gatineau, QC

- Researched security risks and provided consultation on tools identified for procurement to assist management in the decision-making process
- Developed procedures on handling IT Security incidents to support future employees during their onboarding process
- Mitigated IT Security incidents by scanning and wiping infected PCs and interviewing users to protect PSC data
- Project leader and creator of a video series to help employees create Wiki pages for interdepartmental knowledge exchange

Marketing Intern

July - Aug 2016

CaseWare Analytics - Ottawa, ON

- Compiled a list of financial crime magazines to increase awareness and broaden the company's marketing campaign
- Researched information on CaseWare's blog subscribers and recommended new content to management to increase engagement and grow the subscriber base
- Enhanced the user experience by transcribing YouTube videos regarding CaseWare products

Highlights

- Experienced developer with a security background after working in three cybersecurity roles/organizations
- Took initiative to identify and develop upon new problem spaces to expand each company's portfolio of products/technologies
- Enhanced the user experience for customers and clients by automating manual tasks

Skills

- Experience with Java, C++, C, Bash, Android, Git, HTML, CSS, SQL, React, BLE, and Yocto
- Exceptional oral and written communication skills exemplified by regularly interacting with clients
- Excellent leadership and interpersonal skills evidenced by being elected as the Co-President of Lisgar Collegiate Institute's Student Council

Education

Candidate for Bachelor of Applied Science, Systems Design Engineering, 2017 - 2022
University of Waterloo, Ontario
3.9 GPA

Relevant Courses

Data Structures and Algorithms
Digital Computation
Probability and Statistics
Design, Systems, and Society

Interests

- Soccer, hockey, and frisbee
- Chess, trivia, and crosswords