

Jonathan Chen



jonathanchen.ca



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Skills

Languages: Java, Golang, HTML, CSS, Bash, C++, R, Python, SQL

Technologies: Git, GCP, Linux, GWT, Android, React, BLE

Experience

Software Developer

Altairix Inc.

Remote | Sep-Dec 2020

Leading the digital transformation for Arrowsmith Schools

- Optimized marketing expenditures by creating a customizable reporting feature that highlights key demographic points about prospective customers
 - Gathered user requirements by consulting with key stakeholders
 - Designed and presented the mockup of the report to senior management for approval
- Improved the accessibility of the Altairix application by creating its web version and doubling the number of platforms supported

Security Engineering

League Inc.

Toronto, ON | Jan-Apr 2020

Modernizing the delivery of health benefits

- Researched, developed, and presented new security tools to 50+ developers to reduce the number of vulnerabilities within League's codebase
 - Investigated their feasibility by analyzing documentation and referencing anecdotes from other security teams
 - Regularly presented my findings to the Security Team and the entire engineering division
- Increased the partnered programs available to League by developing the authentication and integration flow to connect the League platform with third-party applications

Security Software Development Student

BlackBerry

Mississauga, ON | May-Aug 2019

Managing and securing IoT devices

- Developed a proof of concept digital key application in Android that leverages Bluetooth Low Energy to transfer string values between devices
- Highlighted Android Automotive security capabilities for prospective customers by integrating BlackBerry mobile features onto the platform

Quality Engineering Intern

Interset

Ottawa, ON | Sep-Dec 2018

Empowering security teams to detect unknown threats

- Significantly improved the user experience by developing an automated configuration script that accelerated the installation process by 15%
- Increased the versatility of the Interset product installer by doubling the number of supported Java Development Kits

Education

Candidate for BAsC, Systems Design Engineering,
2017-2022, **University of Waterloo, 3.9 GPA**

Relevant Courses: Machine Intelligence, Computational Statistics & Data Analysis, Data Structures and Algorithms

Interests

Soccer, hockey and ultimate frisbee
Chess, trivia and crosswords