

# Jonathan Chen



jonathanchen.ca



/in/jonathan-hh-chen



613-867-1775



jhhchen@uwaterloo.ca

## Experience

### Software Developer

#### Altairix Inc.

Remote | Sep-Dec 2020

Designed and developed a customizable reporting feature that analyzes and summarizes all the respondents of a cognitive questionnaire

Built 8 new widgets and web screens using Java and CSS for users to input and view their associated assessment results

### Security Engineering

#### League Inc.

Toronto, ON | Jan-Apr 2020

Developed the authentication and integration flow for third-party applications using JSON Web Tokens to increase the features available to the League platform

Owned the launch of new security tools by researching, developing and presenting new applications to 50+ developers to reduce the number of vulnerabilities within League's codebase

### Security Software Development Student

#### BlackBerry

Mississauga, ON | May-Aug 2019

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

### Quality Engineering Intern

#### Intersect

Ottawa, ON | Sep-Dec 2018

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

## Projects

### Crescend.io

May-Aug 2020

Produced the genetic algorithm used to create the music for the playback and composition aspects of the game

## Highlights

Experienced developer with a cybersecurity background

Excellent leadership and interpersonal skills evidenced by being elected as the Co-President of Lisgar Collegiate Institute's Student Council

Strong analytical and problem solving skills

Hardworking and diligent individual that always seeks perfection

## Skills

Java

Golang

Bash

C++

HTML

CSS

SQL

Git

GCP

Linux

Android

React

GWT

BLE

## Education

Candidate for Bachelor of Applied Science, Systems Design Engineering, 2017-2022

University of Waterloo

3.9 GPA

### Relevant Courses

Machine Intelligence

Data Structures and Algorithms

Probability and Statistics

Human Factors in Design

## Interests

Soccer, hockey, and ultimate frisbee

Chess, trivia, and crosswords