

# Justin Pan

Burnaby, BC

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## Skills

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**Tech:** C, C++, C#, Node.js, Sails.js, pSQL, Swift, Python, HTML, CSS, JavaScript

## Work

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### Calico Logic Inc.

Software Developer Co-op

**Vancouver, BC**

09/2018 - 04/2019

- o Fixed two application breaking bugs for the iOS app related to an incorrect paging implementation and a memory leak caused by careless mistake saving the company time
- o Implemented three new features for the iOS app that focus on increasing information in the UI without introducing unnecessary clutter
- o Worked with a client to migrate their website between hosting sites
- o Collaborated with the iOS team to complete the network service refactor for the app, as well as writing documentation for 15 different classes
- o Created several tests for the application and the API which were implemented with XCTest and chai respectively

### Calgary Stampede

Stocker

**Calgary, AB**

July 2017

- o Delivered stock to several bars, managing which bar needed stock the fastest with coworkers
- o Counted stock for the location, ensuring that the count of the stock matches with the count of requests
- o Worked night shift and helped with closing down the venue as well as finishing counts of stock and clean up

## Projects

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### Text Encoding Translator| Personal Project

C++

09/2019

- o Application utilizing pure C++ to decode different text encodings and encode them in a different format
- o Integrated UTF 32 and UTF 8 compatibility using C++ and bitstring manipulation to decode and encode the text into different formats like Morse and Baudot code

### Bullet Hell| Personal Project

Monogame, C#

01/2019 - Current Date

- o Learned how to create, draw and update new items based on a timer
- o Created a simple HLSL shader to help deal with the scaling of the art from a tutorial
- o Created a way to move the screen with the player character based on the characters movements
- o Applied knowledge to create and implement skills and victory conditions

### Dine together| Backend Developer

Swift, Node.js, JavaScript

05/2018 - 08/2018

- o Designed a real-time location-based group searching app that allows users to search for friends to eat with
- o Integrated real-time chat functionality with TCP connections using socket.io that allows several people to talk with each other

### Chat With Friends| Personal Project

Node.js, JavaScript

05/2018

- o Designed a real-time chat app that allows you to join a room and talk to other users, which is implemented with socket.io

## Education

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### Simon Fraser University

Computer Science

**Burnaby, BC**

September 2016 - June 2020

- o Coursework: Data Structures & Algorithms, Knowledge Representation, Multimedia Systems, Intro to Software Design, Intro to Computer Systems