

# Louise Chan

Mississauga, ON | [www.louisechan.ca](http://www.louisechan.ca) | [linkedin.com/in/louise-chan-0525](https://www.linkedin.com/in/louise-chan-0525)

Objective: An emerging mobile application developer with knowledge in native iOS and Android application development and a good understanding of object-oriented programming concepts. Currently setting a goal of developing expertise in iOS mobile application development by establishing strong knowledge and familiarity of frameworks and libraries as well as become adept in designing application using different iOS architecture patterns.

## HIGHLIGHT OF QUALIFICATIONS

---

- Knowledge in native iOS application development including familiarity with using the UIKit, MapKit, Core Location, Core Data and Core Motion frameworks.
- Solid skills in creating Storyboard-based layouts using Xcode and applying layout constraints in order to make the UI responsive to different iOS device screen sizes.
- Knowledgeable in programmatic implementation of interface object layouts (with constraints) in iOS applications without the need of creating Storyboard-based layouts.
- Capable of designing and implementing re-usable custom interface objects that may be used in iOS applications.
- Familiar with MVC and MVP iOS architecture patterns.
- Solid understanding of object-oriented programming principles and concepts and capable of applying this knowledge using Swift.
- Knowledge in native Android application development using Java.
- Knowledge in HTML5, CSS3 and JavaScript programming languages and capable of applying these skills in front-end web development by designing responsive web pages and applications.
- Knowledge and familiarity of hybrid application development using the React Native framework for Web, iOS and Android platforms.
- Excellent problem solving and debugging skills.
- Fast learner, able to adapt to changes in the software development process set by the company and a strong desire to contribute to the improvement of the workflow and process of the software development team.

## TECHNICAL SKILLS

---

<b>Programming Languages:</b>	Swift, Java, C, HTML5, CSS3, JavaScript, JSX
<b>App development platforms:</b>	Web, Android, iOS
<b>Version control system:</b>	git
<b>SDK/Database/Frameworks:</b>	Firebase, MySQL, REST APIs, Google Maps, React Native
<b>Software development tools:</b>	Android Studio, Xcode, Eclipse IDE, Visual Studio Code, Gerrit, GitHub

## WORK EXPERIENCE

---

### iOS Developer Intern

September 2020 - Present

Quicktab (Dyne Technologies, Inc.) | Toronto, ON

- Participated in the development of the company's flagship iOS application (Quicktab) that will revolutionize in-restaurant dining by allowing restaurant operators to provide contactless dining solutions and services to its customers.
- Re-designed several view controllers used in the Quicktab app so that constraint-based layout of user-interface objects will be implemented programmatically instead of using Storyboards.
- Designed custom user-interface objects to be used in different view controllers within the Quicktab app such as custom swipe buttons and custom user-input views.

# Louise Chan

Mississauga, ON | 416-567-6943 | [louise.chan@georgebrown.ca](mailto:louise.chan@georgebrown.ca)  
[www.louisechan.ca](http://www.louisechan.ca) | [linkedin.com/in/louise-chan-0525](https://www.linkedin.com/in/louise-chan-0525)

- Implemented new Quicktab iOS application features defined in epics and completed them on and before the scheduled deadline.
- Participate in the testing and debugging of Quicktab app releases as well as implementation of UI and feature improvements for the app based on user feedback.

## Student Peer Tutor (Mobihelp)

September 2020 - Present

George Brown College – Casa Loma Campus | Toronto, ON

- Provide tutoring services to students enrolled in the T430 Mobile Application Development and Strategy program as well as with students enrolled in other programs that require tutoring services for Android and iOS application development courses.
- Provide lectures and answer questions from students requiring assistance in their Work Integrated Project course (i.e. capstone project) for the T430 program.
- Create challenge questions with solutions to students enrolled in the T430 program. Challenge questions created are based on courses offered for the T430 program ranging from iOS and Android app development, front-end web development and React Native mobile app development.

## Embedded Software Developer

April 2014 - December 2018

Timex Group Canada, Inc. | Markham, ON

- Designed and developed the framework used in developing embedded software for sensor-based, digital and analog watches. By creating this framework, I was able to help reduce the time it would take to develop firmware for a watch product by at least 50% by allowing developers to focus more on application software development instead of having to refactor the watch system firmware every time a new firmware development project is started.
- Wrote the firmware for advanced digital sensor-based watches by implementing the features and functions that are available in the UI/UX software specification documents.
- Conducted code and design reviews with software team members. I was able to contribute to this task by helping to ensure that each member of the team will be able to write code according to the coding standards set by the company and also anticipate any design flaws and potential bugs that may arise during the early phase of the software design.
- Created technical specifications that will be used as reference for products that are being designed. This include tasks involving the writing of software design documents for new sensors used in a watch product and UI/UX programming specifications used in firmware developments.

## MOBILE APPLICATION PROJECTS

---

### Quicktab (iOS) - <https://apps.apple.com/ca/app/quicktab/id1531456328>

Dyne Technologies, Inc. | Toronto, ON

- Quicktab provides restaurants with the capability to offer contactless dining solutions to its customers by offering restaurant menu and ordering services within their mobile phones. Restaurateurs will also be able to increase table turnover by reducing the time it takes for guests to move through their dining journey. By cutting down order time, streamlining payments, eliminating costly mistakes and reducing the waiting queue, a restaurant can provide a completely seamless dining experience for guests right in the palm of their hands.

# Louise Chan

Mississauga, ON | 416-567-6943 | [louise.chan@georgebrown.ca](mailto:louise.chan@georgebrown.ca)  
[www.louisechan.ca](http://www.louisechan.ca) | [linkedin.com/in/louise-chan-0525](https://www.linkedin.com/in/louise-chan-0525)

## Live Fit Food Meal Kit Ordering App (iOS/Android)

George Brown College | Toronto, ON

- The application is an unofficial mobile ordering app developed for the Live Fit Food website ([livefitfood.ca](http://livefitfood.ca)) and demonstrates my knowledge in native iOS and Android app development by utilizing different iOS and Android SDKs, libraries and frameworks as well as showcase my skills in persistent data storage integration in mobile applications by implementing data storage using the Firebase cloud storage platform and Apple's Core Data framework.

## Tokyo 2020 Olympics Tourist Information (Android)

George Brown College | Toronto, ON

- The application was developed as an information tool for tourists visiting Tokyo for the 2020 Summer Olympics which unfortunately was postponed due to pandemic. This app implements a single user-interface layout approach by organizing the different screens through a navigation menu and showing them within the frame layout as fragments. The app also uses intents in order to make calls or send emails as well as set appointments through the Google calendar app. A toolbar is also made available within this app to allow users to have quick access to certain app functions such as the Contacts menu and the logout button.

## EDUCATION

---

### Mobile Application Development and Strategy Program

George Brown College – Casa Loma | Toronto, ON

*KEY Courses/concepts:*

- iOS application development
- Android application development
- Swift and Java Programming
- Relational Databases
- Web Development
- Mobile Application Strategy

### Bachelor of Science in Computer Engineering

University of San Carlos | Cebu, Philippines

*KEY Courses/concepts:*

- Digital Logic Circuit Design
- Microcontroller system design
- Data structures and Algorithm
- Computer system architecture and Interfacing
- C and Assembly Language Programming
- Basic electronics circuit design

## ACADEMIC RECOGNITIONS

---

### Dean's Honour List

Winter 2020 Term

**George Brown College – Casa Loma Campus**

Mobile Application Development and Strategy Program

Centre for Arts, Design and Information Technology

### Dean's Honour List

Spring/Summer 2020 Term

**George Brown College – Casa Loma Campus**

Mobile Application Development and Strategy Program

Centre for Arts, Design and Information Technology