

# Leon Dai

2A Computer Engineering  
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## SUMMARY

- Strong knowledge of Object Orientation Programming and Languages such as Swift, Java, and C++
- Adaptability and strong problem solving skills developed at HealthIM
- Developed excellent teamwork and leadership skills through Co-President position for UW A Capella Club

## EXPERIENCE

### INTERSECT MOBILE ENGINEER CO-OP (IOS)

January – May 2019 | Toronto, ON

- Developed a high quality mobile application for the iOS platform to specifications provided by client.
- Performed integration with production servers, including troubleshooting network calls, to prepare for release
- Determined best way to structure code which allowed for best conformity to the SOLID coding principles

### HEALTHIM SOFTWARE DEVELOPER

May – August 2018 | Kitchener, ON

- Developed iOS application in Swift with CocoaPods used by police officers during mental health crisis calls
- Build, tested, and shipped production grade software
- Integrated design and feature feed back to build new functionality for software

## PROJECTS

### SMART ALARM CLOCK C/C++ • ONION OMEGA 2

October - December 2017

- Created a smart alarm clock in a team of 3 with an Onion Omega 2 that displayed time, date, and weather on an LCD
- Developed a logging system to troubleshoot the system without the use of a terminal access point

### STOCKS APP JAVA • DYNAMODB

June - August 2017

- Developed an android application that retrieved and displayed stock information for over 3000 companies
- Created Profile Class to allow for custom accounts where stock preferences were stored
- Designed a stock search screen where users could search for stocks by their ticker symbol

### FOOD TRACKER APP SWIFT • COCOA TOUCH

June – July 2017

- Developed an iOS application that allowed the user to store their meals with a rating
- Created a Meal Object to store the properties of a meal such as name, picture and rating
- Utilized NSCoding to store Meal Objects that persisted on the device

## SKILLS

### LANGUAGES

Swift  
Python  
C/C++  
TypeScript/Javascript  
HTML5/CSS3  
Java  
LaTeX

### FRAMEWORK/TOOLS

CocoaPods/Carthage  
Git  
Bootstrap 4  
Node  
XCode  
Android Studio  
Linux Command Line

## LINKS

Github://linchuandai  
LinkedIn://leon-dai  
leondai.dev

## EDUCATION

### UNIVERSITY OF WATERLOO

CANDIDATE FOR B.ASC IN COMPUTER  
ENGINEERING, HONOURS, CO-OP  
Expected May 2022 | Waterloo, ON

## INTERESTS

### A CAPELLA

Attended rehearsals and performed with  
UW ACE at their End of Term Concert  
Became Co-President of UW ACE for the  
Winter 2018 Term

### ATHELETICS

Basketball  
Volleyball  
Skateboarding

### ORIENTATION LEADER

Was a Big for Waterloo Engineering  
Orientation 2018