

# Leon Dai

2B Computer Engineering

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## SKILLS

### LANGUAGES

Swift • C/C++ • Python • JavaScript/TypeScript • HTML5/CSS3

### FRAMEWORK/TOOLS

Git • CocoaPods/Carthage • Flask • Bootstrap 4 • ReactNative • XCode • Linux Command Line

## EXPERIENCE

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

January – May 2019

- Worked on a soon to be released banking application as part of the iOS team, developing many user flows for initial release
- Performed integration with production servers, including troubleshooting network calls and implementing token security for over 70 endpoints
- Designed and implemented a scalable system for entitlements within the app which provided gated access to over 90% of the user accessible flows

### HEALTHIM SOFTWARE DEVELOPER

May – August 2018

- Brought an iOS application used by police officers during mental health crisis calls up to speed with other platforms, getting it ready for initial release to a police force
- Implemented a system for device to device secure key exchange which adhered to government security standards
- Designed and developed a new feature which took the collected information and generated a PDF report on device with historical information rendered in a chart

## PROJECTS

### SPOTIFY LYRICS PYTHON • FLASK

March 2019 - Present

- Implemented a web app with flask that displays the lyrics to the song that is playing on Spotify
- Integrated Spotify API with session token storage to pull current song and artist information off Spotify
- Utilized Genius Music API and BeautifulSoup4 to scrape the webpage for the lyrics to the song

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

October - December 2017

- Developed a smart alarm clock in a team of 3 with an Onion Omega 2 that displayed time, date, and weather on an LCD
- Implemented a logging system that allowed users 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 a Profile class to allow for custom accounts where stock preferences and personal information were stored
- Designed and implemented a stock search screen where users could search for stocks by their ticker symbol

## EDUCATION

### UNIVERSITY OF WATERLOO

CANDIDATE FOR B.ASC IN COMPUTER ENGINEERING, HONOURS, CO-OP

Expected May 2022

## INTERESTS

- A Capella: Became Co-President of UW ACE for the Winter 2018 Term
- Sports: Basketball, Squash, Tennis
- Orientation: Was a Big for Waterloo Engineering Orientation 2018