

Leon Dong

+1-647-278-0505 | yiming.dong@uwaterloo.ca | github.com/LeonDong02 | leondong.ca

EDUCATION

University of Waterloo, Cumulative GPA: 3.84/4.0

Sept. 2020 – Present

Bachelor of Computer Science, President's Scholarship of Distinction

Waterloo, ON

SKILLS

Languages: Python, Swift, Java, C/C++, JavaScript, TypeScript, HTML, CSS, SQL, R

Frameworks: Git, NumPy, Flask, SwiftUI, Swift Storyboard, React, Node.js

EXPERIENCE

iOS Developer

Jan. 2022 – Apr. 2022

ecobee

Toronto, ON

- Directly contributed to the peripheral ecobee app's codebase to support their millions of smart thermostat users
- Refactored various screens from outdated UIKit code to instead use modern SwiftUI code instead
- Revamped the dynamic in app installation guide by building new screens with the MVVM architectural pattern
- Queried user data using GraphQL in order to give users personalized recommendations and notifications
- Ensured code quality by writing screenshot/iOS tests and worked with devtools such as CircleCI and Fastlane
- Worked in a fast paced Agile environment in order to develop for quick iterations and frequent shipping

Software Engineer Intern

May 2021 – Aug. 2021

Facedrive Health

Toronto, ON

- Created an app using both SwiftUI and Swift Storyboard for thousands of wristband devices
- Built a fully fledged login page which received user login information and handled authentication
- Implemented weather functionalities by processing and delivering information from an API through Bluetooth
- Developed dashboards which displayed the data received from the wristbands on various graphs
- Planned and worked alongside other interns to implement new features and functionalities of the app

PROJECTS AND AWARDS

DeliverMe | *Python, Flask, JavaScript, React, TypeScript*

2022

- Wrote a webapp that takes user inputs and produces a solution to the multi-vehicle routing problem
- Studied and implemented the genetic algorithm to give a good enough estimate to any given scenario
- Built the frontend of the webapp with TypeScript and connected it to a Flask backend

ProjectErie | *Python, Flask, HTML/CSS*

2019

- MasseyHacks V: Great Lakes Category Prize (110 Participants)
- Designed and created a frontend for an app that crowdsourced lake cleanups with HTML/CSS
- Integrated data provided by the Google Maps API and Twilio API into the Flask application

Medi-sync | *HTML/CSS, JavaScript, Node.js, Firebase*

2018

- Electric City Hacks 2018: Best Health Hack (90 Participants)
- Coded in HTML/CSS and JavaScript to create the frontend for a health portfolio webapp
- Utilised the Firebase auth API and connected the application frontend and backend

Awards | *Competitive Programming, Math*

2016-2020

- Multiple CCC honor roll awards for outstanding performance, 97th percentile
- At least a certificate of distinction (75th percentile) on all Waterloo math competitions, honor roll (90th percentile) on almost all contests

PERSONAL INTERESTS

- Competitive programming; designing algorithms to solve problems through online judges, also looking into CTF (peaked 4th in Canada during picoCTF, a CTF competition held by Carnegie Mellon University).
- Snowboarder since the fifth grade; learning the terrain park and aspiring to ride down double-black at Whistler.
- Playing music as a hobby; graduated RCM level 10 piano honors with distinction, and played the clarinet in the school band. Currently self-learning the guitar.