

Jiangshan (Jerry) Cui

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OBJECTIVE:

- I am looking for a Software Engineer Intern 12-16 months coop position and I am willing to be relocated.

HIGHLIGHT OF QUALIFICATION

- **Dean's Honor Scholar** on 2019 Fall, 2019 Winter and 2020 Fall;
- Back End programming languages: C++, C;
- Front End programming languages: Python, Java, Android Studio, HTML, Javascript, SwiftUI,
- Other programming languages: SQL, Numpy, Pytorch, Tensorflow, Matlab
- Team Corporation: Git, Github
- Working Experience of Android and IOS App development
- Strong ability and work experience of **Object-Oriented design Principles** and data structures;

EDUCATION

Bachelor of Computer and Electrical Engineering, University of Toronto Graduating April 2024
CGPA: 3.44/4.0

Courses: **Operating System**, Algorithm and Data Structure, Introduction to Artificial Intelligence, **Machine Learning**, **Computer Hardware**, **Introduction to Database**, **Finance and Accounting**

WORK EXPERIENCE

App Developer, ReformFIT Training Club 2021.05 – 2021.09

- Developed a **Rest API** based front-end system to help clients reserve cardio sessions;
- Self-studied and developed Android Version with Android Studio and IOS Version with XCode;
- Reduced almost \$4000 of annual cost for the company by renting the app from other company;
- Utilized OOP to construct **network request** in both android studio and xcode in order to querying various databases, such as Mindbody Database, Youjiu Health and Firebase;
- Implemented Firebase interface to serve for registration and sign-in system;
- Cooperated with Youjiu Health Inc to extract and present measurement reports from database;

RELATED PROJECTS

A Geographic Information System (GIS) software program (C++) 2021.01-2021.04

- Fully developed a GIS software application for 13 cities with basic navigation features;
- Querying the **Open Street Map Database** using functions by extensively using **data structures** that return useful information, such as position, name, street width and types of point of interests.
- Developed a user interface respond to user queries and display data use the **GTK graphics library**.
- Independently furnished the usability of the project with online reviews demonstrating with a series of dialogs. This feature allows users check comments and rates of one location by other people, also users are able to input their own rate and comments.
- Used unit tests to test our functionality and speed of our code. Utilized **complexity analysis** to optimize all code speed within $O(n)$ and most functionality are within $O(1)$;
- Worked in team of three and used **git** version control in **Linux** environment throughout the project to work effectively with my teammates;

WORK EXPERIENCE

Web Developer, Canada World Education Inc

2020.05 – 2020.08

- Utilized **Javascript**, **HTML5**, **CSS** in **Twine** interface to develop digital math curriculum into web pages;
- Optimized usability and aesthetics **DOM** to organized the information attractive on web pages;
- Applied **Agile** workflow throughout the projects to boost our efficiency and performance;
- Communicated and collaborated efficiently with colleagues through frequent **Scrum** meetings;
- Credited with extra payment for the excellent and punctual work done.