

# ANSON TANG

1B HONOURS COMPUTER ENGINEERING

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Student ID: 20721228

## ABOUT ME

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**Technical Skills** C/C++, Python, Unix/Linux, HTML/CSS, MySQL, Oracle DB, Oracle APEX, L<sup>A</sup>T<sub>E</sub>X

**Languages** Conversational Proficiency in Cantonese

**Interests** Soccer, Basketball, Music, Photography

## WORK EXPERIENCE

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### Computer Programmer Specialist

Regional Municipality of York

Newmarket, ON (January 2018 – April 2018)

- Developed and automated water and wastewater facility calculations in PL/SQL
- Improved problem solving, debugging skills, database work-flow design, fixing its bugs, and exception handling for future debugging
- Added new features, such as calendars and dashboards, using HTML, CSS, and Javascript on Oracle APEX applications based on business requirements for clients
- Review documents and project plans by writing up-to-date reports for supervisors
- Gained experience in how the software development cycle works

### Data Entry

The Medicine Shoppe

Toronto, ON (June 2016 – September 2016)

- Managed and sorted customer orders and information on databases
- Performed administrative tasks such as filing and data-entry

## PERSONAL PROJECTS

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### Personal Website

- Got exposed to web development and the basics of HTML, CSS, and Javascript to develop a portfolio website
- Learned the subtleties and details to create an aesthetically pleasing user interface

### Candy Searcher

- Created a mini-application to create a mini-search engine for different types of candies in Swift

### Sudoku

- Designed and created a simple Sudoku game using Python
- Applied use of OOP, recursion, and arrays

### Music Library

- Created a Python program which sorts by title, song, artist, etc.
- Manipulated raw data from .tsv file in a well-formatted manner

### Traffic Light Simulator

- Designed and constructed a traffic light simulation using Arduino circuitry
- Used LED lights, resistors, combinatorial logic, and coded in C language

### Root Calculator

- Created a program in C++ to calculate the roots of an equation using the bisection method

## VOLUNTEER EXPERIENCE

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### Assistant Instructor

Turbo Soccer Society

Toronto, ON (July 2015 – August 2015)

- Instructed and organized soccer drills for children of all ages (3-12 years old)

## EDUCATION

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### University of Waterloo

Waterloo, ON (2017–Present)

- Candidate for Bachelor of Applied Sciences
- Accepted with a President's Entrance Scholarship