

Weihao (Tim) Han
45 Charles St E
Toronto ON, M4Y 1S2
[587-990-3692](tel:587-990-3692) | whan@ualberta.ca
GitHub: <https://github.com/GorTim>

SPECIAL SKILLS

- Computer language: Python (3+ years), C (1+ years), Functional programming (Lisp), Logical programming (Prolog), SQL, Java
 - Web: HTML, CSS, JavaScript, jQuery, Express.js, node.js
 - Database management system: Oracle, MySQL
 - Others: data modelling, data wrangling, Docker, Git

PREVIOUS EXPERIENCE

Volunteer	Sep 2018-Jun 2019
CISD Society, Edmonton	
● Prepared and served community meal at Ronald McDonald House	
● Organized volunteers to set up meeting room and provided mandarin translation service for a female leadership training workshop at Action For Healthy Communities	
Software developer intern	Summer 2018
EveryGold Inc	
● Improved interpersonal skills through cooperation with colleagues	
● Implemented testing on enterprise-level software in Java, under the instruction of the team manager and other members	

PROJECTS

AI of the board game Five in a Row (Python) Jan-Apr 2019

- Collaborated successfully with teammates to develop an agent which can automatically generate optimal position for a chess game, with various searching algorithm (Minimax, Alpha beta pruning), under OOP design principle
- Strengthened statistical modelling skills by improving the efficiency and effectiveness of AI chess player with Monte Carlo Method and rule-based simulation

Computer network programming (C) Jan-Apr 2018

- Boosted understanding toward network protocol through the implementation of reliable TCP protocol with various window size
- Enhanced C programming skills by designing a MAC protocol with CSMA/CD feature

Database management (Java, SQL) Jan-Apr 2017

- Analyzed data requirements and designed database with ER modelling technique.
- Implement an Oracle based flight ticket information retrieving system, with various functions supported by complex SQL queries, as a result of collaboration with two classmates.

EDUCATION

Bachelor of Science in Computing Science and Mathematics

University of Alberta, Edmonton

Graduation Date: June 2019

Main Courses: Machine learning, Database management, Data structure, Algorithm, Computer Network, Intermediate calculus, Statistics, Linear algebra

AWARDS

- *International Student Scholarship* 2014-2016
Awarded to international students with a minimum GPA of 3.0 on a full normal course load