

# Victor Han

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<https://github.com/Vic-Han>

## Skills

- Programming Languages: C++, Java, C#, Python, Javascript, HTML, CSS
- Frameworks and Libraries: MySQL, React, MongoDB & Mongoose, Express.js
- Other Technologies: Git, Github, Shell Scripting, Emscripten & WebAssembly, Node.js,

## Projects

- Portfolio Website : <https://vic-han.github.io/>
  - UI displaying portfolio made with HTML, CSS, and JavaScript
- Ultimate Tic Tac Toe AI
  - Complex and nuanced game logic building on basic Tic Tac Toe
  - Search algorithm written in C++ and Optimized using bitboards and bitshift operations
  - AI compiled to WebAssembly using Emscripten
  - Front End Web Application written in JavaScript
- Fitness Tracker
  - Web Application written in Java for users to keep track of their fitness progress
  - Database is managed using MySQL
  - Users have the ability to edit any meal or workout
  - Users can create their own custom foods or exercises to use in their meals or workouts
  - Users can sign up for coaching, coaches can view user information
- Recipe Selector
  - Web Application written using React, Mongoose, and Express.js
  - Admins able to add and edit ingredients and recipes
  - Users able to filter out recipes with dietary requirements
  - Users able to include ingredients they have to help filter recipes

## Education

University of Calgary                      Bachelors of Science : Computer Science                      (09/2020 - Present)

Applicable courses:

- |                                     |                               |
|-------------------------------------|-------------------------------|
| - Web Based Systems                 | - Database Management Systems |
| - Design and Analysis of Algorithms | - Computer Networks           |
| - Principles of Operating Systems   | - Scalable Data Analytics     |
| - Artificial Intelligence           | - Human Computer Interaction  |

## Work Experience

- **Meat Hygiene Inspector**                      Canadian Food Inspection Agency                      (05/2022 - 03/2023)  
Reference : Betty Moch: [betty.moch@inspection.gc.ca](mailto:betty.moch@inspection.gc.ca)
  - Verify cow slaughter plant is following federal government food safety standards
  - Ensure every part of each carcass is properly inspected
  - Perform incision, visual, and palpation inspection on beef heads and organs
  - Rail out cow carcasses and offal parts with serious pathologies for veterinary inspection
- **Front End Cashier**                      No Frills                      (08/2020 - 08/2021)  
Reference: Charmaine Butler: 902-301-4760
  - Assisted customers checkout
  - Provided quality customer service
  - Stocked aisles during downtime