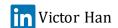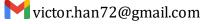# Victor Han

Vic-Han   Victor Han   victor.han72@gmail.com   Portfolio: https://vic-han.github.io/

Education

University of Calgary, B.Sc. Computer Science   09/2020 - 05/2024

Applicable Courses:

- Design and Implementation of Database Systems
- Deep Learning for Computer Vision
- Computer Networks
- Compiler Construction

- Distributed Systems
- Web Based Systems
- Database Management Systems
- Data Structures and Algorithms

- Principles of Operating Systems
- Scalable Data Analytics
- Design and Analysis of Algorithms
- Artificial Intelligence

Projects

SpaceBook: Gin/Go, React, PostgreSQL, CassandraDB

- Led a team of 5 to create a space-themed Facebook mockup
- Designed and implemented all multi-step protocols including cookie creation, real time chat, and multi image upload on posts
- Designed, implemented, and optimized database for scalability
- Implemented the toggling of 10+ screens and API calls using React
- Created 25+ API routes using Go, PostgreSQL, and CassandraDB

Recipe-Selector: React, Express.js, MongoDB (In progress)

- Solo capstone project with working features such as creation and editing of accounts, ingredients, and recipes
- Many in progress features such as recipe recommendation AI, author subscriptions, and advanced lookup
- Styling 20+ responsive pages with 4 breakpoints using CSS
- Created 30+ API routes with Express.js and MongoDB, more still in progress

Twitter Bot Detection: Pyspark/Python, Apache Spark

- Collaborated in a team of 4 to process Kaggle dataset for detecting Twitter automation
- Implemented and optimized K-means which led to model clustering bots with 80% accuracy
- Applied normalization techniques with non linear functions leading to 3 times better distribution than the basic standard deviation method

Self Checkout Station: Jswing/Java

- Directed a team of 30 to develop a native app simulating a self-checkout station
- Designed and implemented front-end MVC architecture to integrate 15+ screens
- Responsible for the development of approximately 60% of the back-end logic

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Skills

Programming Languages: C/C++, JavaScript, HTML5, CSS3, Python, Go, Java, C#

Frameworks, Libraries, and Databases: React, MySQL, Express.js, MongoDB, PostgreSQL, CassandraDB, Express.js, Hadoop, Apache Spark, TensorFlow

Other Skills: Leadership, Work Ethic, Communication, Adaptability, Problem Solving

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Work Experience

Canadian Food Inspection Agency   **Meat Hygiene Inspector**   05/2022 - 08/2023

- Verified cow slaughter plant followed federal government food safety standards
- Performed incision, visual, and palpation inspection on beef heads and organs
- Marked cow carcasses and offal parts with serious pathologies for veterinary inspection

No Frills   **Front End Cashier**   08/2020 - 08/2021

- Assisted customers at checkout and provided quality customer service
- Stocked aisles during downtime

Other Hobbies and Interests

- Ultra Mountain/Trail Running • Long Distance Road Cycling • Chess • Cooking • Karaoke