

JIALE TOM TIAN

2B COMPUTER SCIENCE STUDENT AT UNIVERSITY OF WATERLOO

 416-799-2907  j63tian@uwaterloo.ca  [linkedin.com/in/j63tian](https://www.linkedin.com/in/j63tian)  <https://jialetomtian.com>

SKILLS

Languages: Python, C, C++, JavaScript, HTML, CSS, SQL

Tools and Technologies: React, Node.js, Express, Firebase, Google Cloud, Git, Beautiful Soup, Bash

EXPERIENCES

Full Stack Developer

May 2020 – Aug 2020

Ctrl V Waterloo | Technologies: PERN stack (Postgres, Express.js, React, Node), Google Cloud Platform, Redis

- Moved major company revenue stream by **designing, developing, and deploying** an online gift purchase platform that plans to move the company's **400000+** gift card transactions to the web
- Implemented a customer chat feature that directs communication through automated emails and **Facebook Customer Chat SDK** for over **17** franchise locations across **North America**
- Upgraded and improved current internal platform for Developer monthly fees payments
- Implemented alert and notification system for company web cache and web cache editor using **Redis**

DECA School Chapter President

June 2018 – June 2019

- Trained over **50 chapter members** in business subjects including **finance, accounting and marketing** and set a record for **15 award winners** in the regional competition in recent school history

PROJECTS

Where to Eat?

A web application that allows user to decide on where to eat while looking at other popular nearby options

- Designed frontend using **React** and implemented **Google Geo Locator** and **Google Maps SDK** for map view
- Implemented backend server using **Express, Node and Postgres** in order to keep track of visited locations

Voice Control Document Editor

A program for users with physical disabilities that allows users to access and edit word documents with just their voice

- Translated human speech into strings by using the **Google Voice to Speech Cloud API**
- Implemented **python docx library** and **python OS** modules along with object oriented programming to control computer actions

Wall Street Journal Web Scraper

A web scraper that gathers key stock data from autogenerated HTML, inspired by personal in business and finance

- Extracted data from website using **Beautiful Soup library** to gather specific website data

AWARDS

- Governor General's Award for Academics and Extra-curricular involvement (2019)
- DECA Business Finance International 1ST Place (2018)

EDUCATION

Computer Science Honours Coop at The University of Waterloo (2B)

Sept. 2019 - April 2024

- Cumulative Average: 87.2%