

Tyler Chen

✉ tj3chen@uwaterloo.ca | 🏠 tylerjchen.me | 🐙 tylerjchen | 🌐 tylerjchen

Summary of Qualifications

- **Languages:** HTML, CSS, JavaScript, Java, Python, VBA, LaTeX
- **Tools/Libraries:** React.js, Node.js, Express.js, PostgreSQL, Bootstrap, Microsoft Office

Projects

Facial Recognition App

REACT.JS, NODE.JS, EXPRESS.JS, POSTGRESQL

- Integrated a machine learning API to be utilized by the app to detect faces in images
- Created RESTful API with a relational database to drive user registration and authentication

StarterHacks 2019 - QuickSense

HTML, CSS, JAVASCRIPT, BOOTSTRAP

- Designed the website used to pitch QuickSense, a device that uses machine learning and object recognition to assist the visually impaired in retrieving essential items

Project Management Tool

VBA SCRIPTS, MACROS

- Built a decision support tool aimed to assist managers with scheduling and executing team projects, as well as facilitate the monitoring of task progression

Budget Boxhead

PYTHON

- Created a 2D shooter game using Python and the Pygame library
- Implemented various Object-Oriented Programming fundamentals such as designing each sprite class with differing methods

Experience

Top Notch Tutoring

Jun. 2018 - Aug. 2018

OPERATIONS ASSISTANT | TUTOR

- Applied accounting practices, such as the management of invoices and receipts, to ensure the accurate upkeep of financial records
- Coordinated marketing initiatives such as contacting partners and media outlets, as well as designed business cards and banners
- Performed administrative duties such as the organization of documents and data entry
- Tutored and oversaw academic progression of clients by leading lessons and generating individualized assessments

Extracurricular Activities

Waterloo Formula Electric - Operations Sub-Team

Sep. 2018 - present

PROJECT MANAGER | OPERATIONS MEMBER

- Provided planning and logistical support to manage projects initiated by the Electrical sub-team
- Managed team website, providing maintenance and updating relevant sections when necessary

Education

University of Waterloo | Honours Management Engineering

GPA: 84.18

B.ASC CANDIDATE, 2018 - 2023