BRANDON TU

✉ btu01@uoguelph.ca

⚲ https://github.com/BrandonTuTwo2

Technical Skills

Languages - C, Java, Perl, Assembly, Mysql, Javascript, CSS, HTML

Project Mangement- Git, Trello, Kanban board, Agile, Flow Charts

Collaboration - Communication, SCRUM, Paired Programming, Documentation

Personal Projects

Repetition and Rest Timer Android App ⚲

- Application developed using Kotlin in android studios.
- User inputs how long each rep and rest period to be and the amount of reps.
- 2 timer objects are created based on the entered parameters.
- Each timer object can stop, start or reset based on what the user presses.
- Application will display to the user the remaining time and how many reps are left.

Will It Rain Web Application 🔗 ⚲

- Application developed using JavaScript, HTML, CSS and Node JS.
- User enters their address which is then taken an used to call the nominatim api via AJAX call
- API, through geocoding returns the lat and lon of the address.
- Lat and lon is then used to call the 7timer API which returns a JSON object with the forecast.
- Object is returned to the front end and displays the times where it will rain to the user.

Education

Bachelor of Computing, Software Engineering (Co-op) | 2019 - present

University of Guelph, Guelph, ON

- Maintained an average of 86% (3.6 GPA) as of second year.
- Minoring in business

Key academic Projects:

- **Top Names From Census Data Generator(2020)**: With a partner using Perl, made a program that parsed through csv files containing the popularity of names for babies in a given year and outputted the top 5 popular names for each gender into another csv file.

- **GPX Web App (2021)**: Using C, made a parser library that validated and extracted information from a gpx and connected to a web app (using javascript and NodeJS) where a user could view, modify and insert a gpx file inside the uploads folder. Additionally details of the gpx files could be upload to data via Mysql.

Work Experience

Meat & Dairy Stocker, Walmart | Seasonal 2017

- Worked with a partner to make sure product was always in stock for customers.
- Communicated with customers to make sure they had what they needed.