Nahor Yirgaalem

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EXPERIENCE

Software Development Engineer Intern   May 2023 – August 2023
Amazon   *Toronto, ON*
- Worked with stakeholders to re-create a React based multi-page web application which displays data and allows users to update the displayed data.
- Created an API Gateway that significantly reduced the amount of steps required for API calls between the front end and the back end.

EDUCATION

Wilfrid Laurier University   Waterloo, ON
Bachelor of Science in Computer Science   *Sep. 2019 – present*

SKILLS

Technical Skills: Python, Java, C/C++, HTML/CSS, JavaScript/TypeScript, React, SQL
Other: Android Studio, Git
Speaking Languages: English, French, Tigriyna.

PROJECTS

Discord Bot | *Python, HTML*   September 2021 – November 2021
- Created a discord bot using Python, HTML and python's discord.py file.
- The bot takes the messages and voice chat activities, logs this information and then returns a formatted file containing all of this information.
- Bot also includes extra commands, including a weather command which returns the weather in Waterloo, ON.
- Includes work with Discord's API, multi threading, inheritance and consumer and producer

SimpleView Raceway | *C,C++*   September 2021 - December 2021
- A car driving game developed in C, C++ using OpenGL. User controls the car using the arrow keys.
- Simulates a real life experience with realistic car acceleration, car crash detection.
- Extra features added including: a rocket option that takes the car to the moon, different background song options, and of course, the ability to restart the game.
- Implements complex camera physics, matrix multiplication. The car, track, boarders were all created.
- Developed with a team for as a school project.

COVID-19 Statistics Project | *HTML*   April 2022
- Created a Choropleth map using a geojson file of North and South America. Each country was coloured either green, blue or red, each colour representing a change in COVID-19 cases from one week to another.
- Whenever the user's cursor hovers over a country, information relating to their COVID-19 cases and deaths is displayed. The country's Name and population are displayed, as well as the change in COVID-19 cases and deaths on a bar plot as well as a pie chart.
- Can change view and focus specifically on either North America or South America.
- Took COVID-19 statistics were CSV files from Kaggle.

SOFT SKILLS

- Creativity
- Critical Thinking
- Collaboration/Teamwork
- Communication
- Open Minded
- Patience
- Time Management