

# Bilal Naeemuddin

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## Education

### Wilfrid Laurier University

**Honours BSc Data Science, Concentration in Big Data** (Expected April 2023)

**Relevant Coursework:** Data Structures I and Data Structures II, Algorithms I, Data Analytics I and Data Analytics II, Object Oriented Programming, Software Engineering, Artificial Intelligence, Statistics I.

## Skills & Interests

**Programming Languages:** React, Java, Python, R, C, Pandas, JavaScript, CSS, HTML5

**Platforms:** Jupyter Notebook, RStudio, Eclipse, VS Code

**Development Activities:** Hackathons, Data Science Club, Tutoring

**Interests:** Basketball, Hockey, Poetry, Video Games

## Work Experience

### Wilfrid Laurier University

#### Laurier Data Science Society – Project Manager/Data Analyst

January 2021 - April 2021

- Competed in a University sponsored contest to answer the question “How did covid-19 impact our daily lives?”
- Collaborated with 5 members, being the team lead of the group, I was responsible for organizing and creating a timeline for the team. I was also tasked with helping the members with less experience in data analyzing and visualization.
- Used multiple datasets related to mobility, unemployment rates and daily covid-19 cases in the US to find trends related to the question of the competition.

#### Bulk Barn – Part-Time

Stocker/Cashier

February 2019 - March 2020

- Experienced working in a team setting in order to finish multiple tasks
- Provided excellent customer service while working in a fast-paced environment

## Projects

### COVID-19 Tracker – Individual Project

**Technologies:** React, JavaScript, CSS3, GitHub-pages and VS Code

- Built a live COVID-19 mobile and web compatible tracker using React and used RESTful API to accumulate statistical data on COVID-19 cases, recovered cases and deaths, deployed on GitHub
- Currently working on implementing statistical data on vaccine availability and vaccinated individuals

### Spam/Ham Classification – Data200 Group Project

**Technologies:** Pandas and Jupyter Notebook

- Created an email classifier using Pandas to classify an email as “ham” or “spam”
- Used multiple graphs to find the frequency of common words in spam emails to help identify them faster
- Created Multiple features using feature engineering based on the email of the text such as the number of characters in the subject/body to find the accuracy of the created model
- Accuracy test using various features created using feature engineering resulted in about 97%

### Covid-19 Impact – Data Science Club Group Project

**Technologies:** R and RStudio

- Created a project that uses datasets related to physical health, mental health and unemployment rates to answer the question “How did covid-19 affect our daily lives?”
- Cleaned the data by removing useless and irrelevant information from the dataset
- Performed data visualization by creating graphs and plotting relationships that were found to be strong and then analyzed those relationships and drew conclusions from them

### Personal Website – Personal Portfolio

**Technologies:** React, Node.js, Bootstrap, HTML, CSS3, SASS, GitHub-pages and VS Code

- Built a personal website, and deployed it using GitHub-pages <https://bilal-naeemuddin.github.io/Portfolio1/>

### WeatherApp – Individual Project

**Technologies:** React, CSS3 and VS Code

- Built a weather app using data from OpenWeatherMap Weather API and displayed the temperature of the city that was chosen in the search bar.
- Contains worldwide live data and will constantly be updated as the day goes on