Ross Malcolm

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# Summary

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| - Gained Java, Python, and C/C++ experience through project work in classes  - Self-taught HTML ,CSS, and JavaScript frameworks by online courses and projects  - Data Literate from querying databases and running statistical tests in R  - Awarded the bronze level Duke of Edinburgh award for participation in sports, arts and community involvement |

# Education

Honours Bachelor of Science, Computer Science 2017 – 2021 Wilfrid Laurier University, Waterloo ON

# Work Experience

### Business System Analyst Assistant, Wilfrid Laurier University May 2020 – April 2021

- Extracted data to test statistical significance and identify meaningful trends in admissions

- Documented business needs and research new functionality of business systems and tools

- Developed apps and flows for automation within the Microsoft stack

### Data Analyst Intern, Wilfrid Laurier University. May - August 2019

- Automated Laurier’s residence availability process by writing queries in SQL

- Condensed all applications, offers, and acceptances from that year into a data summary for the Associate Registrar of the University

- Coded Excel macros to simplify campus tour booking and high school visiting processes

# Extracurriculars

Vice President of Technology, Technology Management Laurier 2019 - 2020

- Developed and maintained the TML club’s website

- Organized social networking events to facilitate connections between local companies and prospective co-op students

Hardware Engineering, Laurier Robotics 2018 - 2020

- Lead members by organizing meetings, ordering parts, and building hardware

- Engineered a drone to be used by Laurier at events for recording purposes

# Projects

## myLeague *2021*

- A webapp where users can create hockey leagues and manage them with ease

- The front end is written in html styled with css

- PHP with Laravel is used for the backend, stored in the cloud with heroku

- Uses RESTful API calls and AJAX to read and write data

## Video Browser *2020*

- Developed in JavaScript, using React with some CSS elements

- Utilized youtube API to query videos related to inputted keyword

- Formatted in CSS to display video thumbnails neatly to the webpage