

Kieran Hulsman

Software Engineering Student · kieranhulsman.com

kieran.hulsman@uwaterloo.ca

Student ID: 21011088



KNOWN TECHNOLOGIES: C | Python | HTML | CSS | Git & Github | Unix | SSH | AWS

PROJECTS

BeTreel - 1st Place, The Golden Hack

Wilfrid Laurier University (Sept 2022)

[Project: BeTreel \(Devpost\)](#)

- Created a proof-of-concept for a social media platform that promoted sustainability.
- Worked in a team to develop a product that met the objectives laid out by the hackathon organisers.

ForAllTimes

Study space person counter

[Github repository](#)

- Set up a Raspberry Pi as an AWS IoT device to send entry/exit data from ultrasonic sensors to a Lambda function.
- Implemented an AWS Lambda function to receive data from the Raspberry Pi and update a database.
- Used a DynamoDB to store count data, which our backend used to display the current count on our website.

Hangman game

[Github repository](#)

- Implemented object-oriented programming techniques to clean up code and increase maintainability.
- Improved UX by decreasing graphics lag using multi-threading.
- Built an encryption algorithm to hide phrases from user, which required reading and writing to files.

EXTRACURRICULARS

Formula Electric Design Team

University of Waterloo (Sept 2022 - present)

- Used a linter to flag potential bugs, decreasing the risk of unexpected behaviour.
- Improved git skills by working on a large code-base with many collaborators.

Class rep, Mathematics Society

University of Waterloo (Sept 2022 - Dec 2022)

- Acted as a bridge between my class and the Math faculty by regularly attending MathSoc meetings.

VOLUNTEER WORK

Political canvassing, Liberal Party

Aug 2021 - June 2022 (125 volunteer hours)

- Developed logistical skills by leading a number of canvassing teams.
- Improved communication skills by speaking to constituents about their top concerns.

Volunteer, YMCA

Nov 2018 - May 2019 (145 volunteer hours)

- Honed teamwork skills by running weekly basketball and volleyball games with staff and other volunteers.

EDUCATION

University of Waterloo

(Sept 2022 - present)

Software Engineering, Honours (BSE)

- Sem 1: 89.5% (3.8/4.0)

Lawrence Park C.I., Toronto

(Sept 2018 - June 2022)

Hon. Certificate of Bilingual Studies, French Immersion

- Grade 12: 99.2%

AWARDS

President's Scholarship of Distinction

University of Waterloo (Sept 2022)

F.G. Lawson Cup

Lawrence Park C.I. (June 2022)

- Awarded to the graduation student who demonstrates exceptional academic achievement, leadership and active participation in a wide variety of extracurricular activities.