

# Kieran Hulsman

Software Engineering Student · [kieranhulsman.com](https://kieranhulsman.com)

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Student ID: 21011088



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

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## PROJECTS

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### ***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 organizers.

### ***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

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### ***Formula Electric Design Team***

*University of Waterloo (Sept 2022 - present)*

- Used a linter to flag potential bugs, decreasing the 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

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### ***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

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### ***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

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### ***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.