Kieran Hulsman

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KNOWN TECHNOLOGIES: C | Python | HTML & CSS | Git & Github | Linux | 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 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.

EDUCATION

University of Waterloo
(Sept 2022 - pres.)
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.

EXTRACURRICULARS

Formula Electric Design Team
University of Waterloo (Sept 2022 - pres.)

- 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 - pres.)

- 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.