

Kavin Satheeskumar

<https://kavinsatheeskumar.github.io/Sideprojects/>

SUMMARY OF QUALIFICATIONS

Software – Python, Racket (a dialect of lisp), Java, HTML, CSS, JavaScript, full-stack web development, Git, C and R

Finance – Competed in DECA and took Introduction to Financial Accounting

Teamwork and Leadership – Developed software with the Waterloo Rocketry design team, held leadership roles in Western University and City of London day camps

Second Language - French

EDUCATION

University of Waterloo - Candidate for Bachelor of Computer Science, Honours, Co-op, *September 2020*
term one average 93.4 *- present*

AWARDS AND ACHIEVEMENTS

Math Kangaroo - Certificate of excellence, London regional 2nd place *2020, 2019 & 2018*
2019 & 2018, contest unofficial in 2020

ECOO team programing Contest - 1st in regional and 5th in province *2019*

Canadian Senior Mathematics Contest - Top 1% of contest writers *2018*

Canada Wide National Science Fair - Award of Excellence, Bronze medal, and *2018*
Entrance Scholarship to Western University

Certificates of Distinction – Received 17 for various academic competitions *2020 - 2016*

SIDE PROJECTS

Basic Neural Network - Implementation of multilayer perceptron with back *July 2020 - present*
propagation learning

- Implemented without the use of any external libraries like NumPy or TensorFlow.
- Capable of training a neural network to do various simple tasks like evaluating the XOR function or calculating the square of the sine of a number.

Kuriushacks Hackathon, Christmas Edition – 2nd place *December 2020*

- Developed a web-based game with Python and Flask
- Equipped with an updating leader board stored in a database

WORK EXPERIENCE

Junior Instructor - Discovery Western Day Camp, Western University *Summer 2019*

- Taught up to 25 children a variety of topics, including the use of Arduinos and other simple electronics. Responsible for the safety of children throughout camp hours and ensured that they engaged with content and activities.

Day Camp Counsellor - City of London *Summer 2018*

- Planned activities and supervised up to 12 children. Ensured the health and safety of the children during various field trips throughout the city.
- Wrote injury & behaviour reports, and daily logs.

CLUBS AND OTHER INTEREST

- Waterloo Rocketry Design Team
 - Developed and updated software with a team using Git
- Piano – Completed RCM Level 8 (1st Class Honours), Swimming and Rock Climbing