# Pavithran Pathmarajah

Software Student

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## Profile

Software Engineering student seeking an internship to utilize skills and experience in engineering, algorithm design, databases and systems, to contribute to a reputable organization and maximize efficiency.

## Education

**Bachelor of Software Engineering** Class of 2019
McMaster University, Hamilton ON

## Relevant Projects

**Distributed Computing system**
Devised and developed a small scale system to demonstrate the use of idle computing power, too analyze large sets of data; A dedicated server partitions the data for web browser analysis through JavaScript, the server then consolidates the analyzed partitions, providing a low cost system for research. (PHP, Html, JavaScript)
*Git: https://yhack.pavipath.com*

**Weather Station Analyzer**
Worked in a team to create a web-based application to analyze weather station data and calculate within set tolerances which weather stations can cease operations without affecting the overall weather prediction. (Ruby, Html, JavaScript and SqlLite3)
*Web: https://weather.pavipath.com*

**Expression Calculator**
Developed a program to accept an arithmetic expression and utilizing stacks to correctly apply BEDMAS, to calculate the corresponding solution. (C++)
*Git: https://calc.pavipath.com*

## Competence

- Object Oriented Analysis
- Interface Implementation
- Prototyping
- Software Design
- Information Analysis
- Databases

## Relevant Experience

**ACM International Collegiate Contest** | Regionals October 2016
Participant at 2016 ACM ICPC at the East Central North America Regionals.

**Code To Win**| Finalist November 2015
Placed in the top percentile nationwide, solving 4 of 5 algorithmic programming problems.

## Extracurricular Activities

**Phase-0ne** | Team-X Member 2016 – Present
Forming partnerships with companies and organizations to arrange Workshops for McMaster's technology community.

**Sumo Robotics Club** | Senior Competition 2015 – Present
Working in a team of four to develop a robot programmed to identify its surroundings and force the opponent outside of a 2m diameter circle.