Pavithran Pathmarajah

Software Student

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Objective

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

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)
   Git: *https://github.com/awesomePavi/Weather-Stn-Anly_2XB3*

Expression Calculator
Programmed an application able to parse an input expression from a String and calculate the correct solution by using stacks and identifying braces. (C++)
   Git: *https://github.com/awesomePavi/CPP-Expression-Calculator*

File Encryption
Using a two-stage symmetric Feistel cipher, developed a simple command line tool to encrypt and decrypt, input files. (Python)
   Git: *https://github.com/awesomePavi/FileEncryption*

Skills

- Java
- HTML
- Git (VCS)
- C++
- JavaScript
- Arduino-C
- Python
- UNIX
- DB2/SQL

Relevant Experience

ACM International Collegiate Contest | Regionals   October 2016
Participant at 2016 East Central Regional Programming Contest.

Hack Western | Participant   November 2015
Developed mobile app to help immigrants adjust to life in Canada.
   Git: *https://github.com/awesomePavi/About_Canada*

Extracurricular Activities

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

Sumobot Club | Senior Competition   2015 – Present
Working in a team of four to develop a robot programmed to identify its surroundings and push an opponent out of a two meter in diameter ring.