RISHI VIMALENDRAN

SYSTEMS DESIGN ENGINEERING

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MORE LINKS

github.com/rishivimal10

linkedin.com/in/rishi-vimalendran/

projectethos.live

ABOUT ME

I'm a self-motivated student with a strong desire to learn. I have a wide variety of experiences with programming, leadership, and working in teams.

TECHNICAL SKILLS

- Python
- C++
- Java
- MATLab
- Microsoft Office

MORE PROJECTS

- Password Checker (2020) - Python
  - Returns the number of times a given password has been breached by calling an API

- JPEG to PNG Converter (2020)- Python

- Books and Library (2019) - C++
  - Utilizes class hierarchy to create a library of book objects

- Prime Numbers (2019) - C++
  - Finds all palindromic prime numbers below a given value

- 4x4 Tic-Tac-Toe (2019) - C++

AWARDS AND EXTRACURRICULARS

- Competitive Soccer
  - Captain of Markham FC (2014-18)
  - Co-Captain of Markville Soccer

- Major League Hacks - Local Hack Day
  - Best App Award (2018)

- DECA Entrepreneurship
  - Top 15 Provincials (2018)

- Markville Newspaper
  - Editor and Writer (2018 - 19)

PROJECTS

Stock Manager | Python   2020

- Used Tkinter, sqlite, API requests to create a Stock Manager GUI
- The user is able to search for a specific stock through the API and add it to their portfolio
- Chosen stocks are added to a database which tracks Average Cost and Units
- Utilized MatPlotLib to generate a real-time stock price graph of a chosen stock using information obtained from an API

Sudoku Solver | Python   2020

- Employed a recursive backtracking algorithm to solve any solvable game of sudoku
- Created a basic GUI, using Tkinter; the user can enter known values of the board and solve the game

EXPERIENCES

Software QA Analyst
Finastra | JAN - APRIL 2020

- Used Python and Selenium to develop automated test scripts, which increased the speed of regression testing
- Worked with the Postman application to perform the necessary Data API testing for two new application releases
- Enforced continous integration by tracking tasks through JIRA and continually deploying QA tested code

Growth Strategist
Project Ethos | SEPT 2017 - JUN 2019

- Expanded the Project Ethos network to more than 30 chapters in over 10 countries through the use of the GoodWall app
- Served as a the main communication channel for 10+ clubs, advising and supporting the growth of chapters

Volunteer Lead
Markham Key Club | NOV 2017 - AUG 2019

- Collaborated with other members of the team to implement fundraising events, which raised more than $500
- Led and organized volunteer efforts, such as giving CareKits to the homeless

Camp Counsellor
Markham Sports Dome | JUL - SEPT 2019

- Analyzed weaknesses in the scheduling of the camp and proposed alterations which increased the satisfaction of camp participants

Crew Member
McDonald's | JUN 2017 - JUN 2019

- Thrived in a high-pressure environment by utilizing problem-solving, teamwork, and communication skills at a fast pace

EDUCATION

University of Waterloo

Candidate for Systems Design Engineering (BASc)