HASSAN ALAWIE

Systems Design Engineering

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LANGUAGES

Python, PHP, JavaScript, HTML5, & CSS3, SQL, C++, C, VHDL

FRAMEWORKS/LIBRARIES

ReactJS, Flask, NumPy, Pandas, Matplotlib, Sklearn, Bootstrap, Spark, folium, BeautifulSoup, Bokeh, Flask, Google API, Tkinter

EXPERIENCE

SnapSmile

Front End Developer, Sep. 2020 - Present
Startup with over $150,000 in investment over the past month
Collaborating with a small group to develop the front end of a mobile app using react-native and Figma.
Contribute to product development in weekly scrum meetings.
Communicate with CTO to handle bugs and dockerize the backend.

Ryerson Engineer Resume Bank

Developer, March 2019
Created a website where students can upload their resumes to a bank for Ryerson Engineering sponsors. Currently 100 students a month upload their resumes.

Amelscircle.ca

Developer, May 2020
Designed a website to support those struggling with mental health. Allowing users to send emails to site creator, a blog section, content pages for tips. Currently being used by 30+ people/month

Biomedical Engineering Course Union, Toronto, ON

President, Sep 2019 – April 2020
Led and managed a group of students who ran various academic-based events for the biomedical engineering students.

EDUCATION

University of Waterloo, Waterloo, ON

Bachelor of Applied Science, BASc Systems Design Engineering Candidate, Expected graduation date: June 2025

Ryerson University, Toronto, ON

Biomedical Engineering BEng Candidate, 2018-2020

PERSONAL PROJECTS

RX Pharmaceutical App

Implemented problem solving skills to address the global opioid crisis
Flask web application that can read a prescription and extract the name, date, signature and address to store in a database.

finstagrams.ca

PHP-based project that allows users to create their own account, post pictures, comment and create their own profile.
Developed SQL queries to connect and add data from an HTML form.
Implemented encryption for added security.

Data Manipulation Project

Used Spark with Python for data collection and analysis.
Designed a mathematical model that highlights regions on a geographic map that contained the most users by using folium.

Stock Finder

Designed Flask-based web-app that generates a graph of the stock prices for specified companies through a customizable time period.
Implemented BeautifulSoup to allow for web scraping.

Pokémon Catch Em All

Designed react-based web-app that pulls from the Pokémon API.
Used functional and class-based components that will display a Pokémon depending on where the user clicks on the screen.

INTERESTS: Board game enthusiast, Scrabble master, doodling