Saimoon Azad

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OBJECTIVE

Full time work in a Computer or Software engineering role.

EDUCATION

University of Ottawa, Ottawa, ON
Bachelor of Applied Science in Computer Engineering, Graduating July 2019
Selected Coursework:

- Data Structures and Algorithms (Java)
- Operating Systems (Linux, Ubuntu)
- Introduction to Artificial Intelligence (Python)
- Databases I (SQL)

SKILLS

Programming Languages – Java, Python, C++, JavaScript, C, MATLAB, Node.js, jQuery, React, SQL
Formatting Languages – HTML, CSS, XML, JSON
Technologies/Environment – Ubuntu, Android Studio, PostgreSQL, React Native, Bootstrap, MySQL,
Version Control – GIT, GitHub, Bitbucket
Theoretical – Strong understanding of data structures

EXPERIENCE

Hotel Database System (HTML, CSS, PostgreSQL, Java)

- A full stack project developed both back end and front end
- Relational database created in PostgreSQL
- Java to handle responses from user requests
- HTML and CSS for the user interface of the application

SiteBlocker (Python) – A website blocking desktop executable

- Goal of the project was to stop the user from being distracted in the internet
- For user convenience, Python GUI toolkit, Tkinter was utilised.

Keys (React Native) – An Android application that stores password for the user

- Designed the UX entirely in React Native
- Utilized Android Studio emulator

Memoarr! (C++) – Implementation of the board game Memoarr

- Utilized the C++ standard library for data structures such as array, stack and vectors
- Classes such as Card and Deck declared as templates
- Utilized and handled pointers all throughout the project

Intelligent distribution Panel (C) – Simulation of solar panel energy distribution

- The entire code base is written and developed in C
- Simulation run on a BeagleBone card
- Developed in an Agile, Scrum management environment

Smart Door Lock (Python, PyTorch, Linux (Ubuntu)) – Capstone Project

- An embedded system using Raspberry PI as the microcontroller with Ubuntu distro
- A two-step verification system using fingerprint and facial recognition to open lock
- Open source facial recognition system implemented in Python using PyTorch

WORKPLACE SKILLS

Leadership – Scrum master for an agile development team
Teamwork – Worked in teams on various projects, excellent delegation skills
Helpful – Taught Mathematics to middle school students

GitHub - github.com/sazad32