SAAD IQBAL
COMPUTER SCIENCE

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EDUCATION

Ryerson University
B.Sc Computer Science 2019
Anticipated graduation at summer of 2019

Stephen Leacock Collegiate Institute
Ontario Secondary School Diploma (OSSD) 2015

SUMMARY

I have been developing various programs and applets since an early age. I constantly seek to learn the tools I need to create the dreams I envision. I am currently a third year computer science student. Aspiring to be a full stack developer and a data scientist.

I also have a passion for design and art work. I like drawing digitally and traditionally. I have been practicing and developing the tools for artwork since an early age, and have been able to use these skills to learn various mock-up tools and photo/video editing softwares.

SKILLS

PROGRAMMING TOOLS AND LANGUAGES: JavaScript, HTML/CSS, Bash/Shell, React, NodeJs, ExpressJs, React Native, Java, C, mongoDb, mySQL, Electron
KEY SKILLS: Communication, Database Design, Algorithms, Data Structure, Complexity, Math, Key Contributor, Leader, Eagerto Learn, Algorithms
CERTIFICATIONS: The Complete React Native and Redux Course, Udemy, Ontario CPR Certification, Ontario Security Guard License, Individual Security Guard
COURSES: Data Structures and Algorithms, Computer Science I and II, Computer Organization I and II, Algorithms, Web Systems, Multi Media Systems, C and Unix, Computer and Network Security, Networks I, Database I, Software Engineering I

EMPLOYMENT

FASHION JEWELRY INC
Software and Web Developer   Sep 2016 to Aug 2017
· In charge of creating and modifying web pages on retail website using JavaScript, HTML, CSS, and Liquid
· Used Python to manage/improve and access Shopify's retail database.
· In charge of fixing and debugging layout issues on website.
· In charge of photographing products ,edited using Photoshop CS6, and logged the picture with the product on the retail website.
· In charge of updating all current inventory and logging it to the website.

YM INC
Cashier/Sales Associate   Aug 2015 to Sep 2016
· In charge of updated merchandise with signage, stock, and displays that encouraged sales.
· In charge of serving cash registers to handle customers buying merchandise, promoting ongoing sales, and keeping variances stable.
· In charge of fitting rooms, made sure external theft and internal theft was not possible, and kept track of time and items when the room was used.
· Responsible for generating revenue and reaching budget for the daily and monthly expected value.
· In charge of documenting cancelled and/or voided transactions.
· In charge of depositing and closing tills with management, put backs, and cleaning the store at end of day.

BELL CANADA
Sales Representative   Feb 2013 to Jul 2013
· Responsible for generating revenue and developing new business opportunities
· In charge of managing sales and promoting Bell TV
· Communicated with people in an efficient manner

PROJECTS

USERSTORY AND MOCKUP FOR POSTIT   Current
Using Balsamiq tool to apply skills from Software Engineering and Design to create Userstories and mockups for the postit tool. Fun little project for design

POST IT   Jan 2018 to Jan 2018
Post It application for Windows/MAC that syncs all notes across devices. Also leaves a Geo location pin on where note was created. Made with Nodejs and ES6 JavaScript. Will be ported to Electron with a Express, React, and mongoDb.

PERSONAL WEBSITE   Feb 2018 to Current
Features portfolio, resume, contributions in one source. Links for all projects. Created with Express Js, Node, Handlebarjs. Will be porting to React fully and migrating applications to run on site.

GITHUB DEVELOPER PROGRAM MEMBER
Building separate Node modules on an OAuth Protocol

WEATHER EXPRESS   Feb 2018 to Feb 2018
Displays the weather depending on the location/zip address/relative address. Purpose is to be built without oversight, with robust async code. Made with Nodejs and ES6 JavaScript.

JAVA FIGHTERS   May 2015 to Jun 2015
2D "Street Fighter Styled" Fighting Game. Java with Run-Time Engine, SpriteSheet Algorithm + State Change. This was made when I was in grade 12 in highschool. Will be converting to applet to display on my personal website.

ALBUM PURCHASER
React-Native application that is automatically ported to both IOS/Android. Deals with and makes use of reusable components, which are written from scratch. Also does a JSON HTTPS request and automatically ports to display with interaction. Project done for fun, and was to teach myself the basics of React.

HOME LIBRARY MANAGER
Library Managing System with Authentication, GUI, Data Structure Linkage, and Clean Layout. Project for Software Engineering course.

IMAGE PROCESSOR
Application written in Java that receives any image, and can apply photo filters using pixel processing. Filters include blur, sharpen, edge outline, and colour sort. Can also apply changes to the image such as rotation, crop, and split. Project for Computer Science course.

MAZE PATH FINDER
C program that solves any matrices using a file reader or stdin. Makes use of a Queue data structure to navigate the matrix to find a solution from point A to point B. Can deal with obstacles and can backtrack. Project for Data Structures and Algorithms Course.

VOLUNTEERING

STEPHEN LEACOCK · Librarian Assistant   Jan 2014 to Mar 2014
· Performed library duties including shelving, processing and categorizing library items
· Explained use of library facilities, resources, equipment, and services, and provided information about library policies.
· Guided students with using library books, electronic resources and computer databases.
· Repaired old library books and magazines, labeled DVDs, videos and books

TAM O' SHANTER · Afterschool Helper   Oct 2013 to Dec 2014
· Tutored kids with subjects such as Math, English, and Science
· Assisted Tam O' Shanter students with homework and assignments

REFERENCES

Available upon request