QIUGU HE

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EDUCATION

Bachelor of Computer Science Major - Uiversity of Manitoba   **Date of Graduation:** Feburary 2020

Area Specialization: Software Engineering & Database

TECHNICAL SKILLS

Programming Language	Frameworks/Testing/Concepts	Database/Services
• Java • JavaScript • C#/C++ • Python • HTML/CSS	• ASP.NET MVC • ReactJS/NodeJS • Visual Studio/Andrio Studio • Agile Methodologies • Object Oriented Programming • Postman	• Github / AWS /Firebase • Oracle SQL /Postgery SQL • Microsoft SQL Server

PROJECT/EXPERIENCE

Full-Stack Developer - *Asp.Net web application - Movie rental store*   **September 2019 - December 2019**

- Developed a well structured full stack web application based on MVC design pattern for a movie rental store
- Built application's frontend with utilized JQuery Ajax, created CRUD operations for the application, and built RESTful Services for the application based on .NET Web API
- Created and manipulated the application database by wrote appropriate SQL based on MS SQL Server
- Improved application performance and stability by utilized Entity Framework. Resolved issues of the application by troubleshooting and bringing solutions to fix the issue

Web Developer - *ReactJs web application - Burgerbuilder*   **July 2019 - August 2019**

- Developed multi-page feeling single page web application based on React framework for a resturant that provde customized burger for their customer
- Designed the application layout, implemented stateless component and stateful container of the application, built RESTful Services of the application to serve user requests
- Implemented backend on Firebase platform to store application's stateful data and customer orders

Android Developer - *Andriod application - TaxiPickUp*   **June 2019 - July2019**

- Developed an andriod application that provide pick up service for both driver and customer. Implemented data storage on Firebase, import/export users real-time location through real-time location GeoFire API. Implemented application activities and funcationalities based on SOLID principle

Web Developer - *NodeJs web application - Weather lookUp*

- Cretead a wll structured server side multi-page weather look-up web application based on NodeJs Express framework. Implemented data (JSON) fetch from weather & location API as application backend to serve user request

ACADEMIC PROJECTS

Software Engineering I - Team Member: *Android application - BookWarm*

- Built parts of the android application that provides funcationality for user data storage as well as application's authentication and authorization

Human Computer Interaction - Team Member: *Restaurant eMenu Web application - frontend Developer*

- Wrote front-end component for an interactive Web application that is an alternative to traditional menus

Database tuning & distributed DBS, project - Oracle SQL : *RV Hospital Database*

- Developed a relational normalized database. Improved database performance with optimized SQL indexing schema

EXTRA-CURRICULAR

Teaching Assistant - COMP 1012, University of Manitoba   **September 2018- December 2018**

- Reinforce lessons materials by answering course-related concerns from students. Helped instructor with assignments and exams and recordkeeping.

Dean's Honour List - 2017,2018 / 3rd place at MLH Local Hacking day - 2019