QIUGU HE

https://www.linkedin.com/in/qiugu-he

Website: qiugu-he.herokuapp.com
GitHub: github.com/qiugu-he
204-619-5151 | heq3456@myumanitoba.ca

EDUCATION

Bachelor of Science in Computer Science   **Date of Graduation**: February 2020

University of Manitoba, Area of Specialization: Software Engineering & Database

TECHNICAL SKILLS

Programming Languages	Frameworks/Testing/Concepts	Database/Services
• Java	• ASP.NET MVC	• GitHub / AWS / Firebase
• JavaScript	• ReactJS / NodeJS	• Oracle SQL / PostgreSQL
• C#/C++	• Visual Studio / Android Studio	• Microsoft SQL Server
• Python	• Agile Methodologies	• RESTful API
• HTML5/CSS3	• Objected Oriented Programming	
	• Postman	

PROJECTS / EXPERIENCES

Software Developer – *Asp.Net app– Movie rental store*   **September 2019 - December 2019**

- Developed a well-structured web application based on Asp.Net MVC for an online movie rental store
- Built application's frontend, utilized JQuery and Ajax for interactive data exchange
- Implemented CRUD operations of the application, built RESTful Services of the application via .NET Web API
- Created and tuned application's database based on MS SQL Server for customer and store data storage
- Improved app's performance where data rendering is less than 2 seconds from backend to frontend, no issues found during testing, project completed ahead at 80% of scheduled time

Web Developer – *React.JS web app – BurgerBuilder*   **July 2019 - August 2019**

- Developed a multi-page feeling single page web application based on React framework for a restaurant that provide 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 – *Android app – TaxiPickUp*   **June 2019 - July 2019**

- Developed an android application that provide pick up services for both driver and customer
- Implemented data storage on Firebase, import/export user real-time location through real-time location GeoFire API
- Implemented application activities and functionalities based on SOLD principle

Web Developer – *Node.JS web app – Weather Look-Up*   *May 2019- June 2019*

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

ACADEMIC PROJECTS

Software Engineering – Team Member: *Android application - BookWarm*   *May 2018- August 2018*

- Followed by Agile Methodologies, built parts of the android application that provide functionality for user data storage as well as application's authentication and authorization.

Human Computer Interaction – Team Member: *Restaurant eMenu*   *September 2018- December 2018*

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

Database Tuning – Project, Oracle SQL: *RV Hospital Database*   *May 2018- August 2018*

- Developed a relational normalized database, improved database performance with optimized SQL indexing schema

EXTRA-CURRICULAR

Teaching Assistant – COMP 1020, 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 Honor List - 2017,2018 / Third place at MLH Local Hack Day - October 2019