QIUGU HE

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🎓 EDUCATION

Bachelor of Computer Science Major, University of Manitoba   Grad Date: Feb 2020

- **Area specialization**: Software Engineering & Database
- **Senior Level Courses**: Software Engineering, Human-Computer Interaction, Computer Networks, Distributed Computing, DB Concepts and Usage, DB Tuning & Distributed DBS, Artificial Intelligence

🖥 TECHNICAL SKILLS

- **Languages**: C#/.Net, Java, Python, C, JavaScript (ReactJS, NodeJS, JQuery & JSON), HTML, CSS
- **DataBase**: Microsoft SQL Server, MySQL, PostgreySQL, Oracle, MongoDB
- **Others**: Github, Jira, PostMan, Docker, Visual Studio, Andriod Studio

💼 PROJECTS / EXPERIENCE

Online Movie Rental App [C#/.NET/JQuery] ↗   Dec 2019

- Developed an online movie rental App based on ASP.NET MVC design pattern
- Implemented CRUD operations for the App, built RESFful services based on .NET Web API
- Implemented data storage and data manipulation based on Microsoft SQL Server & Entity Framework

RVH Database [Oracle/SQL] ↗   Oct 2019

- Developed a relational hospital database and maintained the database through the developing process
- Implemented the database normalization, wrote funcationality/SQL to handled necessary user needs
- Analyzed database performance and implemented DB tuning by adding appropriate indexing schema

Taxi Pickup App [Java/Android/JSON] ↗   Jun 2019

- Developed a pickup application that provide service for driver and customer through real-time location API
- Implemented data storage and imported/exported user real-time location to/from database
- Implemented activities and functionalities of the App based on SOLID principle to handled necessary user needs

Burger Builder APP [ReactJS/HTML/JSON] ↗   Jul 2019

- Developed multi-page feeling single-page app based on React framework
- Implemented frontend components of the App, built RESTful Services to serve the user request
- Implemented backend on web server Firebase to storage ingredients and user orders

Weather Look-up APP [NodeJS/HTML/JSON] ↗   Jul 2019

- Created server side multi-page Weather look-up App based on NodeJS Express web framework
- Implemented data(JSON) fectch from Weather/Location API as backend to serve the user request

Portfolio [NodeJS/HTML] ↗   Nov 2019

- Developed multi-page NodeJS personal website and deployed on heroku web server

💼 WORK EXPERIENCE

Teach Assistant (COMP1012) - University Of Manitoba   Sep - Dec 2018

- Reinforce lessons material by answering course-related concern from students
- Help instructor with assignment and exam assessment and recordkeeping

🏆 AWARDS AND ACHIEVEMENTS

- Dean's Honour List   2017, 2018   • 3rd place at MLH Local Hack Day   2019