

Qi Kong – Web developer

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Graduated from NSCC college web development program with background of Electrical Engineering Master's degree. Highly passionate about developing apps and building websites with HTML, CSS, JS, PHP and Angular, React etc. frameworks. Avid learner of new technology.

TECHNICAL SKILLS

Languages: HTML, CSS, JavaScript, PHP, Python, Asp.net, SQL, knex.js, Linux, Matlab

Frameworks: Angular, React, Laravel, Ionic, Express.js, Node.js, jQuery, Bootstrap

Technologies: REST, AJAX, JSON, Git, OOP, LAMP, MERN

Tools: VM, Postman, Docker container, Git, MongoDB, Electron

Operating systems: MacOS, Windows, Unix/Linux

PROJECTS AND EXPERIENCES

DV Bank Website – CGI Inc., Halifax, NS, CA

Feb 2020 – Aug 2020

- Design and developing login, account summary, detail and credit payment pages using **Material React**
- Display all accounts details and transaction information using **API endpoints**
- Complete credit payment function using **API endpoints**
- Add validation in login page and signup page using **Validation Library**

Job Fair Website – NSCC, Halifax, NS, CA

May 2019 – July 2019

- Design and develop registration form and administrator managements using **Bootstrap and jQuery** based on **pure PHP**
- Migration the website to **PHP Laravel** following **MVC pattern**
- Complete **email controller** to sending bulk emails to selected receivers
- Make query from database in controller to display the results in administrator managements

Academic projects – NSCC, Halifax, NS, CA

Sep 2018 – May 2020

- **A full-stack App managing Pizza Restaurants' information:** I built this full stack social network app using **Node.js, Express, React and MongoDB**. The functionality of this app based on **MERN** is managing restaurants' data through creating, editing, searching and deleting methods which need user authentication. The pizza restaurants' data was imported to **MongoDB**. Server side includes CRUD API

implementation and **JSON token verification**. Front-end interface is built by ReactJS and react router. Each form has **Hapi-Joi validation**.

- **NSCC Courses Map App**: This application is an **ASP.net Core 3.1 Razor Pages** Project managing the data. Generate the database through setting up **Database Context** and add **seed data**. **Scaffolded** the Create, Delete, Details, and Edit pages using **ASP.NET core**. Create fluent API for each model and deploy APIs and app to **Azure portal**. Build my client **Ionic React** application for **IOS** and desktop using **XCode**.
- **Social Feeds App**: This App is built by **PHP Laravel**. I give three different user roles to the administration which include user manager, theme manager and post manager. Each user can do different tasks. The website has all bootstrap watch themes, managed by a theme manager.
- **A note desktop App**: This desktop app is used to save text notes including title, tags and contents. It has trash which keeps the notes deleted and you can restore it. These notes can be searched by tags or texts. This app is built with **electron framework** and **knexJS** query builder. **Sqlite3** is used as the database.

Engineering Researcher Experience– Jeju National University, KR

Mar 2011 – Oct 2014

- Be responsible for acoustic and ultrasound signal data collection and analysis.
- Designed a fluid cycle system experiment to get data using ultrasound equipment.
- Collected data from ultrasound equipment and analyzed data.
- Simulate a model for studying RBC dynamics with MATLAB.

EDUCATION

Diploma, Web Development – Nova Scotia Community College, NS, CA

Sep 2018 – present / May 2020 - graduation

M. S. Electrical Engineering – Harbin Engineering University, Harbin, CHA

Sep 2008 – Mar 2011

B. S. Electrical Engineering – Harbin Engineering University, Harbin, CHA

Sep 2004 – Aug 2008

LANGUAGE

Speaking and writing in both English and Mandarin.