

Qi Kong – Web developer

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New graduate from Nova Scotia Community College, web development program. Experienced in developing apps and building websites with HTML, CSS, JS, PHP and Angular, React etc. frameworks. Avid learner of new technology. I also have a master's degree in Electrical Engineering.

TECHNICAL SKILLS

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

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

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

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

Operating systems: MacOS, Windows, Unix/Linux

PROJECTS AND EXPERIENCES

DV Bank Website – CGI, Halifax, NS, CA

Feb 2020 – April 2020

- Designed and developed of the login, account summary, detail and credit payment pages using **Material React**
- Displayed of accounts details and transaction information using **API endpoints**
- Credit payment function using **API endpoints**
- Validation in login page and signup page using **Validation Library**

Job Fair Website – NSCC, Halifax, NS, CA

May 2019 – July 2019

- Developed registration form and administrator managements using **Bootstrap and jQuery** based on **pure PHP**
- Migration of the website to **PHP Laravel** based on **MVC pattern**
- **Email controller** to sending bulk emails to selected receivers
- **Database query** to display the statistic results in administrator page

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 was to manage restaurants' data through **CRUD** 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 was built by ReactJS and react router. Each form had **Hapi-Joi validation**.

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

Engineering Researcher Experience— Jeju National University, KR

Mar 2011 – Oct 2014

- Be responsible for ultrasound 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.