Jiawei Luo

Software Developer, Web Developer

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I am a enthusiastic and professional web developer and always have the courage to face the challenges. With hands on working experience and extensive skill sets accumulated during the Web development in previous years, I am a faster learner, problem solver as well as a qualified team-player.

Education

University of Ottawa (UO), Canada
September 2013 to June 2015

Master of Engineering in Electrical and Computer Engineering
GPA: 8.8/10

South China University of Agriculture (SCAU)
September 2009 to June 2013

Bachelor of Engineering in Electronic and Information Engineering
GPA: 85/100

Professional Skills

Front End: HTML5, CSS/sass/less, Handlebars, Responsive UI, Progressive Web Apps
JavaScript Stack: Angular, Vue.js, jQuery, Node, Express, Ionic
Server End: Node, PHP/PHP MVC, Coldfusion, JavaEE
Database: SQL Server, MySQL, MongoDB, Redis

Work & Project Experience

dominKnow E-Learning Systems Inc.
November 2015 to Current

Software Developer

I join the most important project of the company, which is for developing a highly competitive and motivated product in the web-based E-Learning industry. Responsible for implementation of new features, including modern and fully responsive layout and HTML5 UI, rich text editing system, server-side services, APIs as well as database construction and maintenance.

Techniques: HTML5, CSS/less, jQuery, Handlebars, Coldfusion and SQL Server Database

3G Portal - Guangzhou Jiubang Digital Technology Co., Ltd.
September 2012 to April 2013

Web Developer Internship

I was a team member in mobile web development department for creating new components to UI framework on news and reading channels within a mobile portal website. I performed test-driven development for the framework and successfully solved various browser compatibility issues.

Techniques: HTML and CSS, jQuery, PHP, MySQL Database

Guangzhou Unicorn Technology Development Co., Ltd.   **May 2012 to August 2012**

Project Programmer Internship

I was a member in the project team that developed the bar code management system within a Supply Chain System for a large elevator manufacturer. I participated in both front-end and server-end development for the web based management system as well as part of the client application development for the corresponding handhold bar code scanners.

Techniques: JavaScript scripting, ASP.NET(C#) and C, SQL Sever database.

Personal
Projects

Boost Chat   **November 2016 to February 2017**

A Real-time Web-based Chat App

This application is driven by Node with Express framework, which is a modern HTML5 web application based on websocket for real-time message exchange. It has great penitential to provide fast and lightweight message services.

Technology Stack: Node, Express, MongoDB, Vue.js, Handlebars, Browserify

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Boost Console   **September 2016 to October 2017**

A Web-based Web-based Console Tool

This application is inspired by the idea of command line console, which user can get access to information via commands and the keyboard. It fully takes the advantages of HTML5 features and it is developed based on modular design for better scalability.

Technology Stack: Require.js, jQuery

Coursework

Database Design & Analysis: National Collision Data Mart   **September 2014 to December 2014**

This project was to build a decision and analysis supported data mart based on the data of national collision with my partner, including different dimensions to specific data extraction.

Techniques: Data extraction, staging and aggregation in SQL Server database, Web-based business portal of data mart, D3.js for data visualization

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Machine Vision: Character Recognition System   **September 2013 to December 2013**

This project was to implemented a reliable character recognition system by using two different algorithms, template matching and neural networks. I compared their performance and robustness for different image input sources and font families.

Techniques: Matlab, C++ for OpenCV, Photoshop