

Yuan Wang

Software/Web Developer

Contact Info

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Programming Language

Over 5000 lines:

Java SE • Python • Matlab • C/C++
• HTML/CSS • Javascript • PHP

Over 1000 lines:

J2EE • C# • VBA • Haskell • Scheme

Web Development

JQuery • Angular1/2 • Amazon Web Services(AWS)

Familiar

Maven • Spring Framework
• MEAN Stack

Data Visualization

Highcharts.js • DataTime.js • D3.js

Database

MySQL • PostgreSQL • H2

Version Control

Git • SVN

Course Work

Computer Graphics
Visual Computing
Natural Language Computing
Machine Learning and Data Mining
Neural Network and Machine Learning
Introduction to Artificial Intelligence
Knowledge Representation & Reasoning

EDUCATION

University of Toronto | HONOURS OF BACHELOR OF SCIENCE WITH DISTINCTION | MAJOR IN COMPUTER SCIENCE

Sep 2012 – Jun 2017 | Toronto, ON, Canada

- Focus on Software Development & Artificial Intelligence
- 3.3/4 Grade Average

EXPERIENCE

SANOFI PASTEUR | WEB & DATA ENGINEER INTERN

Sep 2015 – Aug 2016 | Toronto, ON, Canada

- Developed a visually appealing and user-friendly Web-based Dashboard Application with multiple features using Bootstrap, JQuery, and D3 library. Designed and set up Database on the MS server.
- Prototyped a control panel software for monitoring real-time data, which could send emails and mobile alerts when the data were out of trend or violated preset rules.
- Maintained and re-organized the data system for the entire department. Re-designed the database system to make data more secure and reliable.

CHENZHU INC. | WEB ENGINEER INTERN

Jun 2013 – Aug 2013 | Shanghai, China

- Set up firm's new website using HTML, CSS, JavaScript and PHP.
- Collaborated with co-workers to transfer data from the old website to the new one.

PROJECTS

Android Emergency Room Application

JAVA & ANDROID APPLICATION

An Emergency Room Application with the option of logging in as either nurse or doctor, each of which provides distinct functions. Based on the roles, users could read or write patients' information from the database or extract patients' information based on some special requests.

Online Connect4 Board game

WEB APPLICATION

A web version of the classic board game Connect 4. Players could register, log in, search other online players, and play with them. The project was implemented by PHP MVC framework and explored the use of Ajax for transferring data stored in JSON structures. Used Amazon EC2 for hosting and MySQL for the database.

Kaggle Image Classification Competition

MACHINE & DEEP LEARNING

8000 2D-images as training data was categorized into 8 class. Implemented the AlexNet & Vgg16 models using Tensorflow to classify test images. Achieved top 20% in the competition and about 78% accuracy rate.