Yiwen Shi

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SUMMARY

A motivated software developer with 3+ years of work experience and skillful in:
- Object-oriented programming in C# and Java
- Web technologies in ASP. NET MVC 4, HTML, CSS, jQuery
- 2 full cycles of Java software implementation in design, customizing, testing and maintenance

EDUCATIONS

Master of Science, Computer Science, University of Houston   *Expected May 2016*
- Concentration: Data Analytics; GPA: 3.9/4.0;

Master of Art, Mgmt. Info. System, School of Business, Renmin Univ. of China   *Jul. 2011*

Bachelor of Science, Computer Science, Beijing Univ. of Posts and Telecom.   *Jul. 2009*

TECHNICAL SKILLS

Languages: C#, Java, Objective-C, C/C++, Python, HTML, CSS, JavaScript

Statistical Packages: R, MATLAB, SPSS

Libraries: ASP.NET MVC4, jQuery, AngularJS, MapReduce, OpenCV, OpenGL

EMPLOYMEMT

Developer Summer Internship, *Fitiri*   Houston, TX   *Summer 2015*
Timesheet System (C#, ASP.NET MVC4, EF, CSS, jQuery, Ajax, JSON)
- Designed and developed an ASP.NET MVC 4 web application to manage employee's personal information and work attendance, based on the architecture of Fitiri's TimesheetMS, which is a solution helping oil/natural gas company track the working hours of employees.
- Visualized the timesheet records in interactive table and chart with CSS, jQuery and Google Chart API.
- View demo, please visit: *http://timesheetdemo.somee.com*

Research Assistant, *Univ. of Houston, Meas. & Eval. Center*   Houston, TX   *2014- present*
Online Course Evaluation Report (C#)
- It is an ASP.NET Web Forms application to create dynamic table for online course evaluation report with various questionnaires from different colleges/departments using placeholder.
- Implemented access control policy, to guarantee faculties can only view the report they authorized.

Log Sheet (C#)
- It is an ASP.NET Web Forms application to manage the daily work log of MEC.
- Implemented A GridView to insert, update, delete and validate records of scanning log.

IT team leader & System Administrator, *CITIC Trust, IT Dept.*   Beijing, China   *2011- 2014*
Trust Finance System / Payments and Receivables System
- Administrate Finance Management System, which operate in Window, Linux, and Oracle database.
- Maintain and optimize large-scale enterprise databases to assist various business applications.
- Led business team to analyze business process, manage requirement and design test cases.
- Led development team to design and develop software and perform upgrading based on user's feedback.

PROJECT EXPERIENCE

Personal Website *(GitHub, Markdown, CSS, JavaScript)*   *http://yiwenshi.com*
- Built a personal website in GitHub, to makes recruiters know me better.
- Using existing web template with customizing CSS and JavaScript.

Unit Converter *(HTML5, CSS3, AngularJS)*   *http://www.unitconverter.site*
- Providing online conversion of length, weight, area, volume and speed with great user experience.
- Using AngularJS to implement two way data-binding and refine the conversion result format with custom derivative.

Visualization Projects *(C++, OpenGL)*   *Fall 2015*
- Visualized scalar field in different color mapping schema, and implemented iso-contouring and iso-surfacing.
- Visualized vector field by texture-based method (LIC), and implemented 2D vector field topology.

Big Data Projects *(Java, Hadoop, Hbase, MapReduce)*   *Spring 2015*
  Website Log Analysis
- Analyze the log from stackexchange.com, to compare average score of accepted answers with unaccepted answers. Programing in Java and MapReduce library, and implemented Chained MapReduce jobs.
- Performed a bulk import in Hbase, and calculated the average number of answers per question from Hbase.
  Simple Search Engine
- Analyze multiple thousand books as raw text files. Implemented an inverted index and a simple retriever to identify the most relevant books from given a search term.