

Lei Zhang

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Education

University of Michigan Ann Arbor

School: School of Information

Specialization: Information Analysis and Retrieval

Master

09/03/2011 – 04/30/2013

GPA: 3.74

Beijing University of Technology

College: College of Economics and Management

Major: Management Information System

Bachelor

09/01/2007 – 07/09/2011

GPA: 3.76

Research Experience

Jigsaw Gift Web Game

06/14/2013 – 07/10/2013

- Designed and developed user interfaces in Bootstrap.
- Implemented the social network sharing function and copy to clipboard function.
- Drew jigsaw tiles in HTML5 canvas.
- Modified image animation in CSS3.
- <http://jigsaw.appaweso.me/>

Information Visualization on the Influential Factors of Traffic Fatality Rate

11/06/2012 – 12/17/2012

- Analyzed the problem and influential factors.
- Selected visualization elements and designed interface.
- <http://sherryruan.com/trafficFatal/>
- Manipulated data by Python script.
- Built interactive visualization by using D3.

Drupal Website Development

09/07/2012 – 12/10/2012

- Communicated with client on requirement collection and analysis.
- Selected, installed and configured modules.
- Designed information architecture and website workflow.
- Wrote technical documentations and training materials.

Housing Coordinator Network Database and PHP Web Application Development

02/01/2012 – 04/20/2012

- Collected and analyzed user requirements.
- Designed and developed website functions, including user registration, user authority approval, login, housing and landlord information management.
- Designed database schema.

Academic Network Analysis and Visualization of UMSI Professors

01/31/2012 – 02/13/2012

- Parsed and cleaned data from Webofknowledge.com.
- Visualized location distribution in Google map.
- <https://sites.google.com/site/umsiacademia/>
- Visualized network and analyzed its structure.
- Analyzed the factors that influence the academic collaboration relationship between UMSI professors and other scholars.

Network Comparison of Top Users on Twitter and Weibo

10/20/2011 – 12/13/2011

- Parsed data from Twitter and Weibo.
- Analyzed differences between two social networks by comparing their density, diversity and location distribution.
- Cleaned and stored it into SQLite database.

Design of Complex Websites

09/07/2011 – 12/05/2011

- Built interactive websites including functions of user registration, login and logout, chat room, division of private area and public area.
- Used HTML, CSS, JavaScript, Ajax, Python programming language, SQL Server database and Google Application Engine web development framework.

Internship Experience

Software Developer at ERent LLC (Ann Arbor)

05/21/2012 - 08/10/2011

- Developed an iPhone application based on PhoneGap and JQueryMobile
- Designed and developed a MySQL database.
- Built Restful web services in PHP using MVC mode, using CodeIgniter

Web Developer at Cultural Strategies Initiative (CSI) (New York)

02/27/2012 – 03/02/2011

- Developed the CSI website based on Wordpress, including user requirement interview, web data collection, websites structure design and user training functions. <http://culturalstrategies.org/>

HR Intern at IBM (China)

02/14/2011 - 05/13/2011

- Processed data in the travel reimbursement system.
- Coordinate human resources.
- Wrote documentations of working procedures.
- Examined and archived reimbursement artifacts.

Skills

Programming: Excellent at HTML5, CSS3, JavaScript(jQuery), PHP, Python and SQL; Experienced in C, Java, C# and R.

Software: Excellent at Photoshop, Illustrator, InDesign, MS Office (Word, Excel, PowerPoint, Access); Familiar with Xcode, R, SPSS, SPSS Clementine, Visual Studio, Eclipse, MySQL, Visio, Dreamweaver, Premier.

Computer System: Experienced in Windows and Macintosh.

Language: English (Fluent); Chinese (Native Speaker)

Other: Great learning skills, organizational skills and an eye for details; Excellent ability to work independently and also as a team member.