

Zhou (Joe) Yuan

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EDUCATION BACKGROUND

- 8/2008-12/2009 **University of Pittsburgh, School of Information Sciences** Pittsburgh, PA
- Major: Information Science and Technology (Focus: Web Systems and Database)
 - Degree: Master of Science in Information Science (GPA: 3.83 out of 4.0)
 - Coursework:
Web Technologies & Standards, Adaptive Web Systems, Interactive System Design, Web Engineering, Database Management, Distributed Databases, E-Business, Web Services & Distributed Computing, Human Information Processing, Knowledge Representation & the Semantic Web, Information Systems Analysis
- 9/2004-7/2008 **University of Science and Technology Beijing** Beijing, China
- Major: Information Management and Information System
 - Degree: Bachelor of Management (GPA: 3.4 out of 4.0)
 - Coursework:
Principle of Computer Organization, Computer Application Practice, Image Morphology, Operating Systems, Data Structure, Computer Language C / C++, Fundament of Database, Practice Technology of Oracle, Data Warehouse & Data Mining, Analysis & Design of Information System, Management Information Systems Information Resources Management, Theory & Application of ERP, Enterprise Management Project Evaluation & Management, Practice of Information System Development

TECHNICAL PROFICIENCY

- 4 years of web development with PHP / MySQL / XHTML / CSS / JavaScript / XML / XSLT/ JSON / AJAX and SEO
- Web Testing with PHPUnit / SimpleTest / Selenium, revision control with GIT/SVN
- Thorough understanding of database concepts and principles (MySQL/SQLite/PostgreSQL), knowledge of NoSQL
- Knowledge and practical experience with open source web technologies LAMP (Linux, Apache, MySQL, PHP)
- Knowledge and practical experience with OLAP / Data Warehousing, Distributed Database, and Web Services
- Cutting-edge knowledge of Adaptive and Personalized Web Systems / Applications

WORK EXPERIENCE

- 3/2009-Present **University of Pittsburgh** Pittsburgh, PA
Web System Developer, Institute for Learning (IFL) at Learning Research & Development Center
- Working as a generalist across IFL's web apps, building new web features and improving system performance/scaling
 - Working with other IFL staffs and fellows in various positions including content developers, video producers, consultants, researchers, presenters and faculties to support the IFL work in school districts across the country.
 - Working with computing services to solve problems on Linux Apache web server, MySQL server, LDAP server, samba server and Windows fileserver.
 - Responsible for the user requirements analysis, programming/infrastructure designs, development, usability testing and day-to-day maintenance of IFL's new web portal, the entire member district websites , Video Request System, Time Tracker System, PEER website, new POL self-study tool using InfoPotato Framework.
 - Responsible for setting up Moodle platform for online courses.
 - Priority-based multi projects coordination and management.
- 9/2008-2/2009 **University of Pittsburgh** Pittsburgh, PA
Web Designer & Developer, Intramural and Recreational Program at Petersen Events Center
- Redesign of Pitt Intramurals - <http://www.intramurals.pitt.edu>
 - New design of Community Fitness - <http://www.communityfitness.pitt.edu>
 - Redesign of Kinder Kinetics program - <http://www.kinderkinetics.pitt.edu>
 - New design of Pitt Outdoors - <http://www.outdoors.pitt.edu>
- 5/2007-11/2007 **BBDTEK Technology Co., Ltd.** Beijing, China
Webmail Developer, R & D Department
- Learning of two multilingual IMAP clients written in PHP and AJAX (SquirrelMail & RoundCube).
 - Configuration and modification of the Postfix SMTP server in Linux (CentOS and Federa) platform.

RESEARCH EXPERIENCE

- 5/2009-8/2009 **Medical Research Web Application for Veterans with Schizophrenia (Dept. of Veterans Affairs)** Pittsburgh, PA
JavaScript Programmer, Associate Professor Michael B. Spring (iSchool) and Armando J. Rotondi(CCM)
- Analysis and coding of computing web pages' Flesch-Kincaid reading level (one of the 12 variables) using JavaScript.
 - JavaScript coding and usability testing for 8 scenarios based on 12 website design features / variables

HIGHLIGHTED PERSONAL PROJECT

- 8/2009-Present **InfoPotato PHP5 Web Application Development Framework** Pittsburgh, PA
Founder, <http://www.infopotato.com/>
- InfoPotato is a very lightweight, well designed & well documented PHP5 framework built around HTTP and the principles of REST for the development of small web applications.
 - It incorporates many ideas and work from other well-known PHP frameworks and toolkits. The primary goal of InfoPotato is to enable you to work in a structured and rapid manner—without loss of flexibility and expansibility.

OTHER PROJECT EXPERIENCE

- 1/2009-4/2009 **Personalized Feeds Filtering and Annotation System** Pittsburgh, PA
Web Technologies and Standards (Course), Michael B. Spring (Professor)
- User can read personalized feeds based on keyword-level user model without losing privacy and make annotation on the feeds with ease.
 - It is built on PHP+MySQL+XHTML+XML+CSS+AJAX (jQuery).
- 1/2009-4/2009 **Adaptive Job Recommendation System** Pittsburgh, PA
Adaptive Web System (Course), Peter Brusilovsky (Professor)
- User can read personalized job information based on keyword-level user model without losing privacy.
 - It is built on PHP+MySQL+XHTML+XML+CSS+AJAX (jQuery).
- 1/2009-4/2009 **Building Replicated Database for Book Warehouse Using MySQL** Pittsburgh, PA
Advanced Topics in Database Management (Course), Vladimir I. Zadorozhny (Professor)
- I implemented the basic master-slave (one master, two slaves) replication setup using MySQL in Ubuntu 8 server
 - I carried out several test cases including executing update and delete queries.
- 1/2009-4/2009 **People Finder for iSchool** Pittsburgh, PA
Interactive System Design (Course), Peter Brusilovsky (Professor)
- Redesigned the People section on SIS website to make it more accessible and easy to search.
 - It is built on PHP+XHTML+XML+CSS+AJAX, soundex was used for advanced search.
- 12/2008-1/2009 **Three Rivers Cross Fit - <http://www.threeriverscrossfit.com>** Pittsburgh, PA
Web Designer and Developer
- Redesigned and implemented the website for Three Rivers Cross Fit.
 - It is built on PHP+XHTML+CSS+jQuery and provides RSS for users to subscribe to feed.
- 9/2008-12/2008 **Data Warehouse for Online Book Store** Pittsburgh, PA
Database Management (Course), Vladimir I. Zadorozhny (Professor)
- Designed and implemented a web-based system to an operational database for a on-line book store.
 - Analyzed the requirements for, design, implement, demonstrate, and document a Data Warehouse.
- 5/2007-7/2007 **Office Automation System Design and Development** Beijing, China
Project Manager of Practice of Information System Development (Course), Information System Lab
- Led 32 students design, develop and integrate an office automation system using IBM Lotus7.
 - Set up detailed development schedule and supervised the implementation of control measures

CERTIFICATION

- 8/2007 **Zend PHPChina PHP Certification**
- The goal is to allow PHP professionals to attain the “Zend PHPChina Certified Engineer” designation.
 - Holder is capable of using software engineering methods, techniques to develop and build Web Applications.