

Hao Zhou

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EDUCATION

Worcester Polytechnic Institute, Worcester, MA
Master of Science, Computer Science

Aug 2012 - May 2014

Dalian University of Technology, Liaoning, China
Bachelor of Engineering, Computer Science

Aug 2008 - Jun 2012

SKILLS

Languages: Java, JavaScript/Ajax(jQuery, AngularJS, node.js), PHP, Python, CSS(Bootstrap), C, C#

Database: MySQL, MongoDB, MSSQL *Tools:* Maven, Tomcat, Apache *OS:* UNIX, Windows

RELATED EXPERIENCES

1. System architect & developer - Smarking (MIT startup Intelligent Parking Systems) May 2014 - Aug 2014 (Boston, MA)
 - Developed server side with Java in MVC, and implemented RESTful service.
 - Developed a reservation system with PayPal payment
 - Implemented client side with Bootstrap, jQuery and AngularJS.
 - Implemented two-level cache: server(Ehcache) and client(local storage) cache, to improve web performance.
 - Implemented and improving iOS/android mobile apps.
2. Founder & Developer for [WPILIFE](#) Website Jul 2013 - Apr 2014 (Worcester, MA)
 - Created and maintain a website for WPI international students with life services and an information sharing platform.
 - Developed back-end using PHP MVC framework(Codelgniter), and design user interface with Bootstrap and jQuery.
 - Implemented RESTful Services for third-party developers.
3. Volunteer Python programmer - MarketMuse May 2013 - Sept 2014 (Boston, MA)
 - Implemented program which can get top 20 influencers through traackr API based on custom keywords
 - Implemented program which can interact with Twitter API to get tweets from these top influencers,
 - Extracted the articles link from tweets, then stored them into MongoDB
4. E-commerce Developer - Achemtek (Internship) May 2013 - Sept 2013 (Worcester, MA)
 - Developed the website with PHP, on which this company is relying to deal with all orders around the world.
 - Implemented a powerful back-end system, which can help administrators to track every order status.
 - Optimized SQL statements to speed up database queries.

PROJECTS

1. TODO list App (Open Source project) May 2014 - Jun 2014
 - Implemented RESTful Service with Java (Server can send reminder to user one hour ahead automatically)
 - Implemented apps for iOS, Android, Windows and Mac with PhoneGap and node-webkit.
2. Time Saver for Food Truck (YCombinator Hacthon) Aug 2st - Aug 3rd 2014
 - Built multiple and useful RESTful APIs to the public
 - Built Web Apps and mobile apps(android & iOS) for both providers and customers
 - Implemented real-time location tracker in mobile apps to help customers find trucks
3. Big Data Project (Course project using Java - team leader) Sept 2013 - Nov 2013
 - Studied kernel code of Hadoop and developed a Customer Input Format class.
 - Implemented K-Means clustering with MapReduce jobs (2D numeric vectors & 100 thousand real tweets) & Mahout.

ACTIVITIES

Developer for Smarking at MIT Global Founders' Skills Accelerator 2014 Jun 2014 - Aug 2014
IT director for MIT-China Innovation and Entrepreneurship Forum Aug 2013 - Aug 2014
Founder of on-campus TaoBao Club, and technical instructor for club members 2010 - 2012