

# 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

*Database:* MySQL, MongoDB, MSSQL

## RELATED EXPERIENCES

1. Java Software Developer in Ovitass Inc. Sept 2014 - Present (Burlington, MA)
  - Developing new features(eg. Events register hook) for Ovitass CMS to fit customers' requirements.
  - Upgrading internal metadata service system, and integrated it with a distributed cache cluster.
  - Designed and Implemented separate RESTful metadata service to avoid JDK 6 compatibility issue.
2. System architect & developer - Smarking (MIT startup Intelligent Parking Systems) May 2014 - Aug 2014 (Boston, MA)
  - Developed the website with Java in MVC, and implemented RESTful service.
  - Developed a reservation system and integrated it with PayPal payment.
  - Implemented two-level cache: server(Ehcache) and client(local storage) cache, to improve web performance.
  - Implemented iOS/android mobile apps.
3. 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(CodeIgniter), and design user interface with Bootstrap and jQuery.
  - Implemented partial RESTful Services for third-party developers.
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 the status of every order.
  - Optimized and rewrote SQL statements to speed up database queries.

## PROJECTS

1. [Free Twitter Keyword Web Service](#) May 2015 - June 2015
  - Built the website which will interact with internal *semantic artificial intelligence platform* through provided APIs, and provides the customers with better keyword targeting suggestions for Twitter Ads.
2. [Time Saver for Food Truck](#) (YCombinator Hackathon) Aug 2<sup>st</sup> - Aug 3<sup>rd</sup> 2014
  - Built useful RESTful APIs to the public
  - Built web 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 and Mahout.

## ACTIVITIES

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

Aug 2010 - Aug 2012