

# Yizhao He

325 W. Adams Blvd, Los Angeles, CA, 90007  
yizhaohe@usc.edu  
(213) 590-8945  
<http://1mhz.me>

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## EDUCATION

- **Beijing University of Posts and Telecommunications**  
*Bachelor of Engineering, Computer Science and Technology* Sep. 2010 - Jun. 2014  
– Overall GPA: 83.70/100

## INTERNSHIP

- **Alibaba Group Holding Limited** Advisor: Kai Xu  
*Front-end Engineer, Tmall, Hang Zhou, P.R. China* Jun. 2014 - Aug. 2014
  - Implemented IF-check(a Node.js tool) for automatically checking the usage status of IF 2.0(an application interface standard of Tmall).
  - Devised connect-ssiinclude(a Node.js module) for the purpose of facilitating the Front-end development.
- **Beijing Wei Qu Technologies Co. Ltd** Advisor: Qinglong Liu  
*Software Engineer, Beijing, P.R. China* Aug. 2013 - Apr. 2014
  - Led a team of 4 engineers and built a recruitment system for Lenovo Group Limited.
  - Developed the resume module, the status query module and the interactive game module.
  - Implemented the Front-end structure of WeChat Wall module, created global control panel.

## PROJECTS

- **Fengdengjie**  
*A hybrid app for realtime precious-metal prices* Jun. 2015 - Ju. 2015
  - Presenting the realtime prices with many time period choices like 1min, 5min, hourly, daily etc. and also the corresponding indicator numbers.
  - Switching period choice and indicator type without refreshing the page. Featured with asynchronous data loading and dynamic indicator labeling.
  - Powered by Highcharts and Amaze UI. Thoroughly customized.
- **BUPT Vote**  
*A Voting System of the 5th Undergraduate Innovation Exhibition* Apr. 2013 - May 2013
  - Programed both the PC and the mobile version of a web voting system for users to vote for their favorite projects in the exhibition.
  - Provided the statistics page for realtime display of the voting results.
  - Accumulated 4,644 users and handled 30,117 requests in just 3 days' exhibition.
- **BUPT Class**  
*An Idle Classroom Query Platform of BUPT* Oct. 2012 - Present
  - Developed a mobile first application helping students of BUPT easily find an idle classroom through their mobile phone.
  - Created Application Interface for the web version and the WeChat Official Account version.

- Accumulated 3,229 users in BUPT and handled 145,563 requests till Nov. 2014.

## RESEARCH

- **MOLPSO** Advisor: Prof. Xinchao Zhao  
*Team Leader, National Undergraduate Innovation Experiment Project* *Dec. 2012 - May 2013*
  - Invented Multi-objective Particle Swarm Optimizer with Opposition-based Learning (MOLPSO) by introducing the opposition-based learning strategy to optimization process.
  - Simulated the process of MOLPSO coping with FON, POL, LIS function in MATLAB and analyzed the Pareto fronts generated by MOLPSO and NSGA-II.
- **Particle Swarm Optimization Toolbox** Advisor: Prof. Xinchao Zhao  
*Team Leader* *Jun. 2012 - Aug. 2012*
  - Designed and implemented the PSO Toolbox using Scilab library.
  - Created a user friendly GUI and featured the simulation of 13 kinds of Particle Swarm Optimization algorithms, with the functions of result review, comparison and export.

## PUBLICATION

Mingyang Ma, **Yizhao He**, Yilun Xie, Xinchao Zhao: Multi-objective Particle Swarm Optimizer with Opposition-based Learning, Journal of Computational Information Systems Vol. 9(18): 7165-7172 (2013)

## HONORS AND ACTIVITIES

The Second Prize of 2012 SCILAB & OW2 Contest	Oct. 2012
Merit Student of BUPT	Sep. 2013
Scholarship for Outstanding Students (Second Class)	Sep. 2013
Excellent Volunteer of the 5th Undergraduate Innovation Exhibition	May 2013
Vice President of BUPT Baidu Club	Feb. 2013 - Jul. 2013
Scholarship for Outstanding Students (Third Class)	Sep. 2012
Scholarship for Outstanding Students (Second Class)	Sep. 2011

## STANDARDIZED TESTS

**GRE:** Verbal 157 (74%), Quantitative 169 (97%), Analytical Writing 3.5 (38%)

**TOEFL:** Total 95 (Listening 26, Reading 23, Speaking 22, Writing 24)

## SKILLS

**Operating Systems:** Mac OS, Linux, Windows

**Languages:** PHP, JAVASCRIPT, HTML5, CSS3, C/C++, SQL, MATLAB, SCILAB, L<sup>A</sup>T<sub>E</sub>X

**Software:** Webstorm, PhpStorm, Xcode, Github, iTerm, Postman, Kaleidoscope, Sequel Pro, Texpad