Hao Hu
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EDUCATION

M.S. Computer Engineering, Boston University, Expect Jan. 2016, 3.59

B.ENG. Medical Information Engineering, Hubei University of Chinese Medicine, June 2012

INDUSTRY EXPERIENCES

Internship at Insurance Lords, Allston, MA   05/2015 - 08/2015
WordPress based website development: make use of HTML, CSS, JavaScript, JQuery, and Bootstrap to deliver a well-designed, mobile-friendly website. Optimizing data processing based on PHP and MySQL architecture, and data conversion for fillable PDF surveys.

Internship at Jisto Inc., Boston, MA   02/2015 - 05/2015
Implemented network-aware container distribution system: a client-server side distribution system that designed for monitoring the network, minimizing network congestion, and controlling file transmission. Implemented with Bash, Python, RabbitMQ(AMPQ), JSON, and MongoDB.

Programmer at Founder International Co., Ltd., Beijing, China   08/2013 - 02/2014
HIS (Hospital Information System) implementation and testing: agile model based development that practiced in UI design, algorithm optimization, and database processing. Programming in RAD Studio(Delphi).

Internship at Hohhot Shuimuyuan Business and Commerce Co., Ltd   04/2012 - 06/2012
Customized software development: a SDE and SDET position that practiced in algorithm design and database access optimization. Programming in Java or Delphi.

Internship at Hospital associated with Inner Mongolia Medical University   07/2010 - 09/2010
Assistant of Department of Information Technology: engaged in HIS testing, Maintenance, data query, and Troubleshooting.

PROGRAMMING LANGUAGE AND SKILLS

Coding: Java, C++, Python, Delphi, R, Bash; **Web:** C#, PHP, HTML, CSS, JavaScript, JQuery, Bootstrap, XML, JSON; **Database:** MySQL, MongoDB; **Other:** Linux, Photoshop

ACADEMIC TRAINING

Computer Science, University of California, Irvine, 3.48   09/2012 - 06/2013

Coursera Specialization Courses: **Data Science, Security, Mobile Apps, Algorithm**   03/2014 - present

PROJECTS

Indie Music Connector Website, Software Engineering, Boston University, 2015
Key words: Agile, C#, SQL, HTML, Full-stack. The website provides site search, music play, and social interaction services. It enables fans to follow music bands, and post comments in topics. I engaged in graphic UI, UML, database design, front and back end implementation, and unit, system testing.

Nearest State/County Finder, Advanced Data Structure, Boston University, 2014
Key words: Data Structure, R-tree, Java. This project uses R-tree as the data structure to import and load geographical points data. Using MBR(minimum bounding rectangle) to determine the nearest state/county or distance from a given point in the UI.

Initial Diagnosis System, Hubei University Chinese Medicine, 2012
Key words: Medical Care, Relational Database, Delphi. This system gives an initial analysis and diagnosis from the combined information of patient's medical records, medical examination data, and symptoms.

HONORS AND AWARDS

Dean's List, Hubei University of Chinese Medicine, 2009, 2010, 2011
First Prize Scholarship, Hubei University of Chinese Medicine, 2009, 2010, 2011
Excellent Student Leader Award, Hubei University of Chinese Medicine, 2010, 2011
Golden Prize, Hubei Universities Association Magic Competition, 2011

PROFESSIONAL EXPERIENCES AND EXTRACURRICULAR ACTIVITIES

Cisco Certified Network Associate Routing and Switching
Certificated Network Engineer
IEEE Graduate Student Member
International Certificate of Taekwondo
National Dietician Certificate

In Hubei University of Chinese Medicine:

- President of Student Union, 2011 - 2012
- Vice-president, College Students Arts Group, 2011
- Instructor, Taekwondo Club, 2008 - 2011
- Lector, Magic Club, 2009 - 2012

PATENT

"Safe road manhole cover", NO. 2005200433146

The idea of this patent is to protect this high-strength manhole cover against theft, and keep stable under high pressure.