
XIZHAO HU

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I am a professional, self-motivated Test Developer, Programmer with a Ph.D. program offer and seeking for a full-time as a Test/QA Engineer, Data/Business/System Analyst.

Education

University of Pittsburgh, Pittsburgh, PA — August 2014 - April 2016

Master of Science in Information Science, School of Information Sciences

GPA: 3.8

Wuhan University, Wuhan, China — September 2011 - June 2014

Bachelor of Management, majored in Library Science, School of Information Management

GPA: 3.5

Wuhan University, Wuhan, China — September 2012 - June 2014

Minored in Finance, Economics and Management School

GPA: 3.4

Academic Honors

- Research paper titled 'The Bibliometric Analysis of the Cloud Computing Research in Chinese College Libraries' was recorded by the Chinese National Research Project, and China National Knowledge Infrastructure (CNKI) — September 2014
- **Wuhan University Scholarship**, 5% — November 2012

Experience & Internship

Project Management & Test Developer, University of Pittsburgh Health Sciences IT; Pittsburgh, PA — June 2016 - Present

- Individually analyzed, designed, configured and documented new Confluence system hierarchy structure. Implemented iTarget project management repository in the new version of Confluence which greatly improves the project management efficiency and effectiveness.
- Worked with network team to migrate database and server. Migrated all the projects documents to the new system.
- Designed test logic and format for different server machines. Wrote automated keyword tests and script(Python) tests for several different web applications.

Volunteer, Carnegie Science Center; Pittsburgh, PA — February 2016 - April 2016

- Redesigned and implemented the CanTeen website with volunteer team.
 - Used Scrum as development methodology, and implemented the website through WordPress.
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Test Engineer Intern, The Guanai Health Company; Shanghai, China — May 2015 - July 2015

- Worked with product and technology team to design, implement and test a new web-based system.
- Designed test scenario and write test cases for new system.
- Used MySQL to design the database model, maintain and update data in SQL and Drupal. Designed prototype website with the design team by using HTML, CSS, and JavaScript.

Technical Skills

Programming: Python, Java, HTML, JavaScript, CSS, SQL, XML, R

Tools: MySQL, Confluence, TestComplete, Windows Office Suite, MATLAB, Axure, Drupal, WordPress, Visio, Access

Projects

Inferring User's Eye-gaze Attention from Mobile Touch Interaction — April 2015 - November 2015

- Used Hammer.js and JSP to build an interactive prototype system that provides two functions: mobile touch interaction logging and users' free recall information generation.
- Worked with PhD students to design a system that can conduct preliminary analysis (vector space model) on inferring eye-gaze attention.

Titanic: Machine Learning from Disaster — September 2015 - December 2015

- Competed in the Kaggle competition entitled "Titanic: Machine Learning from Disaster." The ranking on the leaderboard is position 211 out of the 3825 teams.
- Applied Random Forest, logistics regression, and Gradient Boosting Classifier to predict which passengers survived the sinking of the Titanic based on the training data. Used Python library pandas and random forest package to train the data and predict results.

Squirrel Hill Urban Coalition Redesign — September 2015 - December 2015

- Redesigned the website system for the Squirrel Hill Urban Coalition (Pittsburgh) in order to strengthen the relationship between the Squirrel Hill community and Chinese immigrants.
- Generated use cases by doing user studies (interview and questionnaire); Used Axure to design the complete water flow of the prototype UI.

E-Commerce database system — January 2015 - April 2015

- Used MySQL to design a relational database which can operate data aggregation, error checking, transaction updating, and customer browsing operations.
 - Designed and implemented the front-end web based interface of a system which can help with running day to day transactions of a company.
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