Diwei Jiang

2 bayard road, Pittsburgh, PA 15213 Tel: (412) 614-9662 Email: djiang@andrew.cmu.edu

PROFILE Linkedin: www.linkedin.com/pub/diwei-jiang/61/1b3/56

EDUCATION *Master of Science,* Information System Management   August 2012 - December 2013
Carnegie Mellon University, Pittsburgh, PA.   **GPA 3.78**
Relevant courses: Search Engine and Web Mining, Data Structure&Algorithms, O-O Programming in Java, Database Management, Service Oriented Architecture, Distributed System, Internet Technologies

Bachelor of Management, Management Information System   August 2008 - June 2012
University of Shanghai for Science and Technology, Shanghai, China
Relevant courses: Data Structure, Programming in Java, Web Application, Computer Networking

SKILLS *Languages and Frameworks:*
Proficient: Java, PHP, JavaScript, SQL
Project Experience: Python, C#, Ruby, J2EE, Ruby On Rails, Backbone.js

Applications:
Eclipse, MongoDB, VIM, Dreamweaver, Visual Studio, Oracle 11g, Oracle SOA suite

EXPERIENCE **Teaching assistant for Database Management**   08/2013-now
Carnegie Mellon University, Pittsburgh, PA, U.S.
- Assisted professor in teaching graduate level students about database design and SQL queries, such as entity diagram, normalization, relational algebra, SQL queries with Oracle 10g.

Web and Social Media developer Intern   06/2013-08/2013
Priceline.com, Email, Social&Web Marketing, Headquarter, Norwalk, CT, U.S.
- Responsible for writing back-end PHP for hourly email campaigns targeting 12 Million priceline users, which delivered 30% higher revenue than old campaigns.
- Designed the permutation and sorting algorithm for optimized deals combining best price, adjacent locations and flexible dates with Nosql Mongo DB.
- Used jquery, Flot.js html5 charting library to create web analytic dashboard, which tracks user engagement and advertising effects from Facebook and Twitter JSON API.
- Helped implement Responsive Web Design for desktop and mobile devices and conduct A/B Testing.

Student IT Consultant (Salesforce Software)   01/2013-05/2013
ACTION-Housing Inc, Carnegie Mellon University, Pittsburgh, PA, U.S.
- The project was to help my client, a non-profit organization, to customize a new CRM System to efficiently manage client information and run periodic reports.
- Worked through detailed steps with client including business requirement analysis, solution packages planning, database design, implementation, test, technology traning and project presentation.

ACAEMIC PROJECT **Lempel-Ziv Welch Compression in Java**   04/2013
Data Structure and Algorithm project, Carnegie Mellon University
- Implemented the LZW compression algorithm able to process both ASCII and binary files
- Built the Digital Search Tree class serving as a table to store bitstrings and index in ASCII arrays.

Merkle-Hellman Knapsack Cryptosystem in Java   02/2013
Data Structure and Algorithm project, Carnegie Mellon University
- Build a Java application realizing key generation, encryption and decryption for messages.
- Used Big Integer operation and bit operation for the keyset generating process.

Genetic Programming in Java   11/2012-12/2012
Java Object Oriented Programming Project, Carnegie Mellon University
- Implemented the binary tree based evolutionary algorithm using Polymorphism features, Factory Design Pattern, and genetic operators such as Crossover and Mutation.
- The biological evolution inspired algorithm optimized a population of binary trees according to a fitness landscape determined by given dataset and program's capability.