

Zhimin Li

PERSONAL DATA

ADDRESS: 1268 E South Temple, Salt Lake, Utah, USA 84102
PHONE: +1 801-558 3593
EMAIL: zhimin.li@utah.edu

RESEARCH EXPERIENCE

<i>Current</i> JAN 2014	Research Assistant at UNIVERSITY OF UTAH <i>Grand Map Project</i> An interactive data analysis system for multi-dimensional data set, which provides four different components: Sampling (Sample large number 2d projection views); Describing (using quality metrics describe each projection view); Filtering (target interesting projection view base on quality metrics); Data Navigating (check the neighbor of interesting projection view). The system has the ability to target projection views fit users' taste and static or dynamic explore the view to reveal the feature of the data set and it is implemented by C++ on Qt platform. <i>IEEE VGTC VPG Data-Visualization Contest</i> One of the final 19 entries in IEEE VPG 2015 data vis contest. This project is an interactive combination of mosaic plot and parallel set, which is implemented in D3. It aims to understand perceived vs. actual student interest in majors and to understand whether students that are determined a good fit for their major stay in it more commonly than those who are not <i>ScagExplorer Project</i> This a yearlong project supported by UROP program in University of Utah. An interactive tool is created to analyze the correlation, outlying and other relationship between each pair of attributes in the data set. Data will be shown on scatter plot matrix and quality metrics used to detect the trend, dense, outlier of a plot are implemented to measure the quality of each plot. Java and Processing are used to implement this tool.
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WORK EXPERIENCE

<i>Current</i> Aug 2015	Teaching Assistant at UNIVERSITY OF UTAH <i>CS3100 Models Of Computation</i> Explain basic concept of Computation Models like Turing Machine, Finite state Machines to students; Help professor to measure the student's work and provide properly suggestions
SUM. 2014	<i>Introduce to Object Oriented Programming</i> Hold one to one lecture to student and explain basic concepts like inheritance and polymorphism; Instruct student use java in Eclipse finish Doodle Jump, Tetris, Packman three game projects
<i>Aug 2015</i> SEPT 2014	Computer Engineer Intern at KIMBALL EQUIPMENT COMPANY <i>Web Developer</i> Create an inner website for employees to view/edit/delete data, files in MySQL database, using PHP, JAVA SCRIPT, HTML, CSS, SQL

EDUCATION

- FALL 2015 Undergraduate Degree in COMPUTER SCIENCE
University of Utah USA
Thesis: "G-MAP: A High Dimension Data Grand Tour Map" | Advisor: Valerio PASCUCCI
GPA: 3.81/4.0
- SPRING 2015 Undergraduate Degree in APPLIED MATHEMATICS
University of Utah USA
GPA: 3.81/4.0
- SUMMER 2012 Undergraduate Degree in COMPUTER SCIENCE
FuZhou University China (transfer to University of Utah)

SCHOLARSHIPS AND CERTIFICATES

- 2015 ACADEMIC YEAR KLW AI/ML scholarship : Base on GPA and Machine learning/AI study
2015 ACADEMIC YEAR C.M. Collins Endowed Scholarship

LANGUAGES

- CHINESE: Native
ENGLISH: Professional working proficiency

PROGRAMMING EXPERIENCE

JAVA, WEB DEVELOPMENT, C++, C#, SQL

INTERESTS AND ACTIVITIES

ACM Student Membership
Volunteer of ACM SIGMOD/PODS 2014
Member of Pi Mu Epsilon (Honorary national mathematics society)
Research Volunteer for John Regret's Android Intent Fuzzer Project
Table Tennis Champion in ZHOUNING No.1 Middle School

GRADUATE LEVEL COURSE

CLASS	GRADE	CREDIT HRS
Visualization	A	3
Machine Learning	A	3
Artificial Intelligence	A-	3
Advance Algorithm	B-	3
Introduce to Probability	A	3
Statistic Inference I	A	3
Statistic Inference II	B	3
Numerical Analysis	A-	4
Total		25
GPA		3.64/4.0