

Yichi Zhang

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SKILLS

Programming languages

- HTML, CSS
- JavaScript (jQuery)
- SQL, R
- Python, PHP
- Java, C++

Tools

- SAS
- Stata
- SPSS
- Photoshop
- Illustrator
- InDesign

COURSES

Graduate

- Information Retrieval
- Analysis of Clustered and Longitudinal Data
- Marketing Research and Analytics
- Applied regression analysis for public health studies
- Data Manipulation
- Exploratory Data Analysis
- Information Visualization
- Interaction Design
- Graphic Design
- Design of Complex Web Sites
- Networks
- Database Application Design
- Java Programming
- Information in Social Systems
- Contextual Inquiry and Project Management

Undergraduate

- Pattern Recognition
- Digital Image Processing
- Data Structures
- Database Technologies and Applications
- Java Programming
- C Programming
- Internet Foundations

EDUCATION

University of Michigan, School of Information

Master of Science

(Information Analysis and Retrieval)

Beijing University of Posts and Telecommunications

Bachelor of Engineering

(Information Engineering)

GPA 3.93

Ann Arbor 05.2015

Beijing 06.2013

WORK EXPERIENCES

Dish Network

Denver 06.2014 – 08.2014

IT Intern in Data Warehouse Team

Analyzed customer loyalty patterns with the DVR only feature Primetime Anytime. Identified different elements that might affect. Terabytes of data collected from Netezza, Teradata and Hadoop. Visualized data through Tableau. Provided feasible suggestions to different departments in order to improve customers' loyalty.

Multimedia Telecommunication Centre

Beijing 08.2012 – 01.2013

Research assistant

Researched image haze-removing on HEVC, investigated the traditional and cutting-edge algorithm, and built new methods to gain better haze removing result while reducing computing cost.

Microsoft Corporation

Beijing 07.2011 – 08.2011

Intern in Partner Technical Services

Investigated and tested services provided by Microsoft's and similar services provided by competitors. Identified the strength and weakness of each product, for example SharePoint.

COURSE PROJECTS

Information Visualization of ScaryMommy

12.2014

Researched on patterns between confession topics and commenting types on ScaryMommy website by using topic modeling and sentimental analysis tools. Designed expressive and effective visualization that helps users to find out useful information to research.

Research and Analytics of LinkedIn Premium

12.2014

Analyzed "How to improve UM graduate students' job seeking experience with LinkedIn Premium service". Involved in the entire processes of survey design and conducted data analyses and relatively advanced data analytic techniques. Gathered first-hand data of users and developed recommendations based on information-based decisions.

The Air Quality Analysis of Cities in China

04.2014

Analyzed the distribution of haze among different cities based on Hierarchical cluster analysis, K-means cluster analysis and etc. Provided useful information like the cities relationships on proportion of PM2.5 and PM10 in AQI and the trends of air quality.

Exploratory data analysis of Yelp reviews

04.2014

Explored relationships between the business categories and different schools, different amounts of ratings and time and so on. Results are useful for business owners to provide better services and achieve better profits. Customers can find useful information when choose business at different places and time.

Recipes in one's favorite restaurant

02.2014

Developed a tool using Yelp Review Search API and BigOven Recipe API to help users find out corresponding Yelp highlights-related DIY recipes when users search for specific restaurants.

(2014 Grace Hopper Celebration of Women in Computing Scholarship)

Take-out Food Ordering Website

12.2013

Created interactive webpages, including menu selections and automatic price counting. Created adding dish page. Did users' account page too, displaying the orders' status and history. Improved database which connecting all user information. Developed whole site front-end work.