Yi-Yin Wang (Alison)

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Programming

Skill			
Python			
Java			
Javascript			
Pig			
HTML/CSS			
PHP			
R			
SAS			
STATA			

Expertise

Skill			
Information Retrieval			
Exploratory Analysis			
Natural Language Processing			
Statistics Analysis			
Data Mining			
Machine Learning			
Mechanism Design			
Web App. Development			
Data Visualization			
A/B testing			

Library

Python			
Django			
Flask			
NLTK			
Numpy / Sklearn			
Panda			
JavaScript			
D3.js			
jQuery			
Angular			
Java			
Hadoop			
Solr/ Lucene			
Android SDK			

Education

University of Michigan Ann Arbor, MI
M.S in Information Science May 2015

Information Retrieval · Machine Learning · Data Mining · Information Visualization · Java · Database Application Design · Data Manipulation · Exploratory Analysis

National Taiwan University Taipei, Taiwan
B.A in Economics, Minor in Math June 2013

Micro Economics · Macro Economics · Advance Statistics · Applied Bayesian Statistical Analysis · Advance Calculus · Game Theory

Work Experience

Linkedin (Contract through Intellipro Group) Mountain View, CA
Research Analyst/Engineer Jun 2015 - Current
- Analyze user data and communicate the insights to product development teams and management.
- Design, build and improve analytical tools and data pipelines for studies
- Analyze data to discover how users succeed and fail in their search activities

University of Michigan Ann Arbor, MI
Research Assistant Oct 2014 – May 2015
- Performed a multivariate testing on a search engine with different user interfaces and search algorithms
- Implemented exploratory analysis and pattern mining on clickstream data and search log to examine the effect of user interface on user behavior
- Built a search engine that tracks user activities with Django framework

Marketing Associates Detroit, MI
Intern, Business Intelligence May 2014 – Aug 2014
- Built an interactive visualization with Google Map to help marketers understand Connected car data
- Performed exploratory analysis, seasonality analysis and clustering analysis to improve a predictive model

Internet 2 Ann Arbor, MI
Project Researcher Jan 2014 – May 2014
- Built a prototype system with Python and MySQL to support constituent relationship management and sales analytics
- Collected, processed and analyzed data from multiple sources using Python

TMI Holding Corp Taipei, Taiwan
Intern, Analyst Feb 2012 – Jun 2013
- Identified and analyzed potential investment opportunities by performing market research and competitor analysis
- Analyzed SEO performance and web traffics using Google Analytics

Projects

Trading Agent Competition (TAC) Ad Exchange game
- Developed a quantitative model and a trading agent in Java for online Ads bidding

Movie Scripts Search Engine
- Applied TFIDF similarity measure and BM25 algorithm to index documents
- Used Solr and Lucene to build a vertical search engine for movie script

UM Credit Union Mobile APP
- Built a admin dashboard that auto-generate reports and visualization for manager to track performance and review applications using PHP and Javascript

Analysis on the Correlation between Tweets and Stock Price
- Performed a regression analysis and geographical analysis on the relationship between tweets activity and stock price trend