

KEYANG DONG

RM 719, 367 Cedar St – New Haven, CT 06510

adward_r@icloud.com – (203) 390-1518 – <http://github.com/Adward-R>

EDUCATION

Yale University | New Haven, CT

Sep. 2016 - May 2017

M.S. in Computer Science (expected)

Zhejiang University | Hangzhou, China

Sep. 2012 - June 2016

B.E. in Computer Science (GPA 3.83/4, ranked 10% out of 196)

- Concentrated in Data Mining, Information Retrieval and Recommender Systems
- Received certificate from Chu-Kochen Honors College (5.7% students nominated)

WORK EXPERIENCE

Data Analytics Intern | Zhuican Data Ltd., Hangzhou, China

Mar. - Apr. 2016

- Built a business intelligence product that leverages data for education and retail companies; the tool generates customizable analytical results and communicates them through interactive visualizations.
- Wrote custom JS wrapper for easy creation of d3.js charts; co-designed backend database architecture for Django web app.

Research Assistant | Eagle Lab, Zhejiang University, Hangzhou, China

Mar. 2014 - May 2016

Design and Evaluation of Yelp Recommender System

Mar. - May 2016

- Presented a hybrid recommender system based on feature engineering and collaborative filtering, which outperforms competitor systems in metrics such as weighted-F1, RMSE and MAE.
- Evaluated approaches such as incorporating deep features, ensemble learning models, and SVD-obtained latent factors to reach the optimal solution.

Automatic Rumor Detection in Social Networks

Mar. - May 2014

- Developed new Twitter monitor ranking system for trending topics; top 0.01% of topics (by volume) were used for the analysis.
- Tested epidemiological rumor spreading models such as SIHR and SICS; improved a C4.5 decision tree fitting model to more reliably identify social network disinformation and fake news.

PROJECT EXPERIENCE

Huawei Cup Innovative Software Contest

Apr. - May 2015

- Honorable Mention for developing Android application that effectively detects when seniors have fallen and alerts their relatives in real-time.
- Reached precision of >90% (leading all teams) by applying precisely-designed test scenarios to retrieve mobile sensor data; installed pre-adjusted SVMs on cellular phones.

VAST Challenge 2014 (Information Visualization)

Dec. 2014 - Jan. 2015

- Analyzed deep information in challenge materials using both data visualization and search engine-related techniques; presented the reduction process as an interactive website.
- Emphasized data cleaning for medium-scale natural language data; performed techniques such as integrity check and inverted index.

TECHNICAL SKILLS

Fluent: Python (Django, NumPy, Scikit-learn), C, C++, JavaScript (d3.js)

Proficient: Java, SQL, Linux/Shell, HTML 5, Bootstrap 3

Other: Numerical Analysis, Basic Stochastic Processes