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EDUCATION

Tsinghua University M.S. in Computer Science & Technology 2013.9~2016.7

Beihang University B.S. in Computer Science & Technology 2009.9~2013.7

SKILLS

- Familiar with C/C++, Java, Python, Linux, Hadoop, Spark
- Solid knowledge of Data structure and Algorithms
- Advanced Machine Learning & Data Mining
- Basic knowledge of Computational Economics: Game Theory, Auction, Mechanism design

RESEARCH EXPERIENCE

Car Navigation Based on Taxi Drivers' Experience 2013.2~2013.6

- Model taxi drivers' driving experience and predict the most likely path chosen by taxi drives given source and destination.
- About 60% accuracy when path length less than 10 and 30% on average; Outstanding Graduation thesis

Grouped Text Clustering Using HDP Gaussain Mixture Model 2014.12~2015.2

- Utilize the group information to improve the clustering result; Online variational inference algorithm which can handle large scale datasets and streaming data; Many applications such as web page clustering
- Improve normalized mutual information from 0.6 to 0.8

INTERN EXPERIENCE

Alibaba *Display advertising department, Alimama Algorithm Engineer* 2014.5~2014.12

- Proposed a method using prior distribution over URL prefixes to classify webpages, at least **10%** improvement in accuracy and **50x** faster in speed
- Proposed Hierarchical Dirchlet Gaussian Mixture Model and developed its online variational inference algorithm to cluster webpages, which can infer the number and parameters of clusters automatically
- Helped improving the advertisement auction mechanism to prevent some advertisers from monopolizing network traffic and many other improvements in CTR estimation, user's interests modeling and user partition

A big data medical start-up team *diagnosis group, Algorithm Engineer* 2015.4~2015.5

- Build models to learn how to diagnose diseases from patient's records and medical documents, design disease symptom recommendation algorithm, develop UI prototype.
- Top 6 diagnosis accuracy is about 0.7

Microsoft Research Asia *VC group, Research software develop engineer* 2015.5~2015.8

- Build models to estimate the age, gender and beauty score of human face pictures
- Much more scalable than previous model, reduce average age error from 6.4 to 4.6, improve gender classification accuracy from 88% to 91% on a hard test set.

J.P.Morgan *Beijing QR Center, Quantitative Research* 2015.8~

- Quantative research and modeling, implement pricing and risk managing tools

AWORDS

- 2 Outstanding Academic Performance Scholarships of Beihang University (2011,2012)
- 2nd prize of Fengru Cup of Beihang University
- Xianzi Zeng Scholarship for Excellent Students (2012)