

Research Interests

Data Mining
Recommender Systems
Applied Machine Learning
Big Data Analysis
Privacy

Contact

Email: merlingwang555@gmail.com
Github: <https://github.com/oceansea1911>
Website: <http://pengyangwang.com>

Education

- 2014.9- current **Master student, Major: Information Security**
School of CyberSpace Security(Former School of Computer Science)
Beijing University of Posts of Telecommunication, Beijing, China
- 2010.9-2014.6 **Bachelor of Engineering, Major: Information Security**
School of Communication Engineering Xi'dian University, Xi'an, China

Research Experiences

- 2016.3-current **Recommender Systems of the Online Recruiting System**
- Designed a time-based GBRT model(T-GBRT) to improve the efficiency of the recommendation(on precision, recall, the number of success).
 - Designed a model to detect the attack to the recommendation
- 2015.12-2016.3 **Tutorials on Storage and Disaster Recovery**
- Investigated the popular methods on storage and disaster recovery
 - Compiled tutorials on storage and disaster recovery about linux(based on linux characters and a single PC)
- 2014.2-2014.6 **The Design and Implementation of Client System of Field Rescue**
- Designed the procedure of the field rescue with doctors and nurses.
 - Implemented android client.
 - Debugged and deployed the system.

Competition

- 2015.12 **User Classification on shopping** Rank: 14/200+
- designed a model based on time windows
 - cluster brands based on users' preferences
 - Trained 5 decision trees based on adaboost algorithm to improve precision
- 2015.10 **Clothes Matching Challenge on taobao.com** Rank: 145/2100
- Cleaned and integrated data
 - Applied user based collaborative filtering to match users and items

Publications

- Pengyang Wang**, Yingtong Dou and Yang Xin, "The Analysis and Design of the Job Recommendation Model Based on GBRT and Time Factors". 2016 IEEE International Conference on Knowledge Engineering and Applications, Singapore.
- Kaidi Wang, Yang Xin and **Pengyang Wang**, "Analysis and Design of the Authorization and Delegation Model Based on UCON_{ABC} in Cloud Environment". Journal of Cyber Security. (under reviewing)

Awards

- 2014.9-2016.9 The First Honor Graduate Scholarship for 2 consecutive years
- 2013.9 The Third Prize in the 24th Spark-Cup Undergraduate Academic and Technology Competition
- 2010.9-2013.9 College Undergraduate Scholarship for 3 consecutive years
- 2012.5 The First Prize in the China Northwest Mathematical Modeling League

Skills

Python, R, PHP, JAVA