Will Xu | 许士亭

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Research Interests

Natural Language Processing
Information Security
Data Analysis
Deep Learning

GPA & Skills

GPA: 3.3 for bachelor 3.3 for master
GRE: 324 (V152+Q169+W3)
TOEFL: 104
Programming: Python, Java, R, C, TensorFlow,

Education

2014.9-2017.3 **Master student, Major: Information Security**
School of CyberSpace Security (Former School of Computer Science) Beijing University of Posts of Telecommunications, Beijing, China

2010.9-2014.7 **Bachelor of Engineering, Major: Computer Science**
School of Computer Science ShanDong University of technology, ShanDong, China

Work & Research Experience

2017.9-2018.11 **Pachira Information Technology Beijing Co., Ltd. - NLP Engineer**

- Improved Role accuracy of results of speech translation model with seq2seq model based on semantic information
- Participated in building a system based on a Question-Answer model to extract user information from conversations .

2017.3-2017.7 **Kaspersky Lab, Beijing, China - Virus Analysis Engineer (Internship)**

- Designed a malicious software's families classification model based on CNN
- Implemented a CS system (based on tornado) to help analysts to train and invoke the model

2016.5-2017.3 **Malicious Application Dynamic Detection System**

- Cleaned and formulated data collected from Android devices with XPosed
- Designed a RNNS-Based model to reduce the quantity of negative data requirement in building a malicious application classification model.

2014.9-2016.5 **The Analysis of Malicious Application on Android Platform**

- Decoded android application, traced its behavior through the source code manually, decided whether it was a malicious application
- Written reports on malicious behaviors of applications in detail, such as the malicious class it belonging,trigger routines and related code fragments.

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

Publication

1.Xu, Shiting , et al. "Malicious Application Dynamic Detection in Real-Time API Analysis ." IEEE International Conference on Internet of Things IEEE, 2017.

Awards

2014.9-2017.3 The First Honor Graduate Scholarship for 3 consecutive years