

Yi Zheng

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Education

2013.9—2017.6 **Bachelor's Degree, Chu Kochen Honors College, Mixed Class, ZJU**

2013.9—2017.6 **Bachelor's Degree, Computer Science and Technology College, SE, ZJU**

- State Key Lab of CAD&CG, Zhejiang University
- Mentor: Deng Cai

Scholarship

- GPA: 3.58/4
- Scholarship of ACM Collegiate Programming Contest Development Foundation of ZJU
- Third-Class Scholarship for Outstanding Merits
- Third-Class Scholarship for Outstanding Students
- Third prize of 2015 ACM-ICPC of Zhejiang University

Skills

- Master in C++, Python and Java programming, have a certain understanding of Hadoop and Android
- Skilled in HTML5, JavaScript, PHP programming, can use virtualized containers like Docker
- Skilled in Linux OS
- Skilled in MariaDB, know the performance optimization of MariaDB
- Have a certain understanding of information retrieval and machine learning

Internship Experience

Tencent KeenLab 2016.2~Present

KeenLab was known as Keen Team. I'm focus in Android security, write fuzzer to find out vulnerabilities and exploit them. Find some vulnerabilities in libmedia.

Projects

Classification of User Reviews Emotional Polarities Based on Deep Learning | 2015.6~2016.2

- The paper of this project has been submit to IJCAI 2016. I'm the forth author of the paper. In this work, we focus on customer reviews which are an important form of opinionated content. The goal is to identify each sentences' semantic orientation. We announce the Weakly-supervised Deep Embedding and use neural network (CDSSM like) to solve this problem. During this project, I write crawler in python fetching user reviews on Amazon, build up an online annotation platform, and implement our model in c#.

Code Plagiarism Detection System | 2015.9 ~2015.12

- This project is the sub-project of PTA system (pta.patest.cn), provide the code plagiarism detection service to all the users of PTA. Backend was written in Java, use Lucene to index history codes, use codes' fingerprint to calculate similarity rate, and save the fingerprint to the database. A thousand code detection can be done in 20 seconds.

Data Structure Course Website of Zhejiang University | 2015.5 ~2015.6

- Similar to CMS based on PHP, with functions like class management, homework submission and review. Implement by CodeIgniter framework.

Peng-Peng Pay | 2015.7

- Course job in Project Training, we implemented a micro payment service with apps work on Android and iOS. This app can pay by NFC or iBeacon. I worked in Android app development independently and backend service (write in Golang).

96_Search | 2015.5~2015.6

- Course job in Information Retrieval, carried out by me independently. I wrote the text retrieval system in C++, with free text retrieval, retrieval based on position and retrieval based on phrases created by deep learning.
- This system use tf-idf and VSM to calculate the similarity of texts, and use word normalization algorithms like Porter Stemmer and Soundex. It uses SENNA framework obtains the POS and NER of the text and create new phrases insert into index to improve the accuracy of retrieval.

MiniSQL | 2015.10

- A simple single user DBMS based on B+ tree and written by C++, which supports almost all basic operations on SQL (except join operation). The project was carried out by me and another student. I mainly worked in Index and Catalog modules.

Student Union Website of Chukochen Honors College, ZJU | 2014.6 ~2014.9

- Similar to CMS based on PHP. Implement by CodeIgniter framework.

Social Works

Chairman of Microsoft Student Club of Zhejiang University | 2015.4~Present

- MSC ZJU is one of the 32 clubs over China supported by Microsoft Research Asia. Mainly work including: Organized the 9th, 10th Fun C Language Programming Contest of Zhejiang University, over 600 participants each year. Organized the Beauty of Programming, the Hour of Code, Hack day activities.

Vice Manager of News and Network Department of CKC Student Union, ZJU | 2014.9~2015.6

- Responsible for the student union website maintenance and technical training.

Member of Technology Research and Development Center of Qiu Shi Chao Work Team | 2013.9~2015.7

- Responsible for the video site maintenance, and develop the Android app plugin Qiu Shi Dog (a lost and found app) based on HTML5.