Keyi Gui

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Education

Beijing University of Posts and Telecommunications, Information and Communication Engineering, Postgraduate	Sep. 2013 - present
Beijing University of Posts and Telecommunications, Communication Engineering, Bachelor, Top 2%	Sep. 2009 - June 2013

Experience

TouTiao Data Department	**R & D Engineer Intern**	**April 2015 - July 2015**

- Generated daily and weekly reports on key statistical indicators

- Designed and implemented the backend system to show more than 30 statistical indicators in real time

- Used historical data to extracted features, developed the model and optimized the rating of media

- Writed fine-graine data of all articles to Hive so the data can be aggregated and applied to statistical tasks

YuanTiKu Server Team	**R & D Engineer Intern**	**Feb. 2015 - April 2015**

- Migrated the image data from MySQL into HBase

- Modified the storage interface to store the image data in HBase

- Improved the library of using HBase, and implemented incremental backup of HBase

- Designed and implemented the interface of getting student reports

Video Equipment Management System	**Project Manager**	**March 2014 - Oct. 2014**

- Designed and implemented the home page, help page, configuration page and auto inspection page

- Wrote a document of code standards

- Organized a contest named "Spot The Bug"

Spam Message Processing Project	**Developer**	**Sep. 2013 - Feb. 2014**

- Wrote linux shell scripts to manipulate different modules

- Used Bitmap Algorithm to count the amount of daily phone numbers

Optical Character Recognition Application on Andriod	**Sole Developer**	**May 2013 - June 2013**

- Recognized both numbers and letters with the precision of 95.6%

Baidu Music Department	**R & D Engineer Intern**	**Nov. 2012 - May 2013**

- Improved the success rate of audition from 88% to 92% by splitting the daily music log into parts via awk and statistical analysis

- Discovered severe problems of the mobile client software, like the low success rate of audition caused by uncompressed images, through long-term monitoring and analysis of the success rate of audition of competing products

Honors

- Microsoft's Programming Beauty Contest, 127th in Rematch   May 2015

- Google APAC 2015 University Graduates Test, 52nd in Round D   Nov. 2014

- Outstanding Graduate Student of Beijing University of Posts and Telecommunications   Oct. 2014

- Alibaba's Large Data Race, 200th in Rematch   July 2014

- Baidu's Astar Programming Contest, 201st in Rematch   June 2014

- The Programming Contest of Beijing University of Posts and Telecommunications, First Prize   March 2014

IT Skills

- Programming Language: C/C++, Awk, Java, Python

- Operating System: Unix/Linux, Mac OS X Yosemite, Windows(7, 8)

- Database: SQL, MySQL, HBase

- Tool: Git, Vim, Command Line, Regex

- Framework: Django, Spring

Hobbies

- Enjoy reading, coding, taking part in online programming contests, communicating with other geeks, ping-pong and snooker.

- 2nd in NYOJ, about 1000th in PKUOJ, HDUOJ, and UVA; solved all the questions in C++ and half of the questions in Java and Python in LeetCode