Shijiang Chen

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Community

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Dectinc

Programming

Java, Python
Matlab, C/C++
Jetty, Tornado
SQL, MongoDB, Redis

Tools

Mac OS, Linux
Eclipse
JetBrains Series
SVN, Git

Education

Since 8/2013 **School of Software, Tsinghua University**   GPA 90.31/100
• Graduate Student, Software engineering
• Scholarship for Comprehensive Merit, Tsinghua University, Twice

8/2009-7/2013 **School of Software, Tsinghua University**   GPA 87.21/100
• Bachelor of Engineering, Computer Software
• Vice President, Association for Science and Technology, School of Software
• Scholarship for Academic Excellence, Tsinghua University

8/2010-7/2013 **School of Economics and Management, Tsinghua University**   GPA 84.87/100
• Bachelor of Economics(Second degree), Economics

Projects

since 10/2014 **Multimedia Event Detection**   TRECVID Research Project, leader and main developer
• Retrieving relevant videos based solely on the audio and visual content.
• Performing event detection using sematics attributes, combined with fused low-level features, and boosting perforcemace by introducing DCNN.
• Implemented the MED system in Matlab and Java.

4/2014-2/2015 **Tetra Fusion Engine**   Startup Project, main developer
• TFE is a system that collects and analyzes business information in real time.
• Personally implemented key components including the crawler framework, task scheduling and data management system in Java and Shell.

9/2014-11/2014 **MIGDemo**   Cooperation Project, leader and main developer
• MIGDemo provides a realtime web service for online processing of multimedia contents. It consists of several processing mudules, such as car recognition, event detection and human detection.
• Implemented the web service based on Jetty and event detection module.

2014/6-2014/7 **TransMonitor**   Internship Project, main developer
• A Python framework for monitoring transcoding results of Shenma mobile search, it provides a daily report for the whole team and the group supervisor.

7/2012-6/2013 **Short Text Classification Based on Topic Model and Deep Learning**
Undergraduate Thesis
• As short texts do not provide sufficient word occurrences, traditional classification methods such as Bag-of-Words have limitations. To mitigate the problem, I propose to take adevantage of multi-granularity topic model and adopt deep learning methods.
• Personally designed and implmented the classification system in Java

Experience

since 9/2013 **Tsinghua University, Beijing**   Teaching Assistant
• Design and assign projects for both undergraduates and graduates

7/2014-10/2014 **Shenma mobile search, Beijing**   Internship
• Design and implement transcoding monitor framework
• Develop modules like configuration and B/W list management, logs statistics

6/2013-9/2013 **Wireless search BU, Alibaba, Beijing**   Algorithm Internship
• Automated testing of functionality and performance of Hubble cralwer system

10/2012-3/2013 **Easyroid Tech., Beijing**   Android Internship
• SayHi!(Android, over 10M users) updates and maintenance
• Design and develop several Android apps