

# Shijiang Chen

School of Software, Tsinghua University

## Contact

☎ 15210560972  
✉ i@dectinc.cc  
🌐 http://dectinc.cc  
Room 11-417  
East Main Building  
Tsinghua University  
Haidian, Beijing

## Community

in chenshijiang  
Dectinc

## Programming

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

## Tools

Mac OS, Linux  
Eclipse  
JetBrains Series  
SVN, Git

## Education

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|---------------|--|---------------|
| Since 8/2013  | <b>School of Software, Tsinghua University</b>   | GPA 90.31/100 |
|               | • Graduate Student, Software engineering<br>• Scholarship for Comprehensive Merit, Tsinghua University, Twice  |               |
| 8/2009-7/2013 | <b>School of Software, Tsinghua University</b>   | GPA 87.21/100 |
|               | • Bachelor of Engineering, Computer Software<br>• Vice President, Association for Science and Technology, School of Software<br>• Scholarship for Academic Excellence, Tsinghua University |               |
| 8/2010-7/2013 | <b>School of Economics and Management, Tsinghua University</b>   | GPA 84.87/100 |
|               | • Bachelor of Economics(Second degree), Economics  |               |

## Projects

- |                |  |   |
|----------------|--|---|
| since 10/2014  | <b>Multimedia Event Detection</b>  | TRECVID Research Project, leader and main developer |
|                | • Retrieving relevant videos based solely on the audio and visual content.<br>• Performing event detection using semantics attributes, combined with fused low-level features, and boosting performance by introducing DCNN.<br>• Implemented the MED system in Matlab and Java.   |   |
| 4/2014-2/2015  | <b>Tetra Fusion Engine</b>   | Startup Project, main developer                     |
|                | • TFE is a system that collects and analyzes business information in real time.<br>• Personally implemented key components including the crawler framework, task scheduling and data management system in Java and Shell.  |   |
| 9/2014-11/2014 | <b>MIGDemo</b>   | Cooperation Project, leader and main developer      |
|                | • MIGDemo provides a realtime web service for online processing of multimedia contents. It consists of several processing modules, such as car recognition, event detection and human detection.<br>• Implemented the web service based on Jetty and event detection module.   |   |
| 7/2014         | <b>TransMonitor</b>  | 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  | <b>Short Text Classification Based on Topic Model and Deep Learning</b>  | 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 advantage of multi-granularity topic model and adopt deep learning methods.<br>• Personally designed and implemented the classification system in Java |   |

## Experience

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|----------------|---|----------------------|
| since 9/2013   | <b>Tsinghua University, Beijing</b>   | Teaching Assistant   |
|                | • Design and assign projects for both undergraduates and graduates  |                      |
| 7/2014-10/2014 | <b>Shenma mobile search, Beijing</b>  | Internship           |
|                | • Design and implement transcoding monitor framework<br>• Develop modules like configuration and B/W list management, logs statistics |                      |
| 6/2013-9/2013  | <b>Wireless search BU, Alibaba, Beijing</b>   | Algorithm Internship |
|                | • Automated testing of functionality and performance of Hubble crawler system   |                      |
| 10/2012-3/2013 | <b>Easyroid Tech., Beijing</b>  | Android Internship   |
|                | • SayHi!(Android, over 10M users) updates and maintenance<br>• Design and develop several Android apps                                |                      |