

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

Projects

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|----------------|---|---|
| since 10/2014 | Multimedia Event Detection
• Retrieving relevant videos based solely on the audio and visual content.
• Performing event detection using semantics attributes, combined with fused low-level features, and boosting performance by introducing DCNN.
• Implemented the MED system in Matlab and Java. | TRECVID Research Project, leader and main developer |
| 4/2014-2/2015 | Tetra Fusion Engine
• 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. | Startup Project, main developer |
| 9/2014-11/2014 | MIGDemo
• 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.
• Implemented the web service based on Jetty and event detection module. | Cooperation Project, leader and main developer |
| 2014/6-2014/7 | TransMonitor
• A Python framework for monitoring transcoding results of Shenma mobile search, it provides a daily report for the whole team and the group supervisor. | Internship Project, main developer |
| 7/2012-6/2013 | Short Text Classification Based on Topic Model and Deep Learning
• 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.
• Personally designed and implemented the classification system in Java | Undergraduate Thesis |

Experience

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