

Shijiang Chen

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Community

in chenshijiang
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Programming

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

Tools

Linux, Mac OS
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 2/2015 | Image Representation Optimization Based on Local Descriptors and CNN
Research Project, main developer
• Learning compact image descriptors based on local descriptors and CNN, aiming to suppress visual bursts for BoF based image search systems
• Implemented the representation optimization algorithm 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 modules, such as car recognition, event detection and human detection
• Implemented the web service based on Jetty and event detection module |
| 7/2014 | 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 advantage of multi-granularity topic model and adopt deep learning methods
• Personally designed and implemented the classification system in Java |

Experience

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|----------------|---|---------------------------|
| 9/2013-7/2015 | Tsinghua University, Beijing
• Design and assign projects for both undergraduates and graduates | Teaching Assistant |
| 7/2014-10/2014 | Shenma mobile search, Beijing
• Design and implement transcoding monitor framework
• Develop modules like configuration and B/W list management, logs statistics | Developer Intern |
| 6/2013-9/2013 | Wireless search BU, Alibaba, Beijing
• Automated testing of functionality and performance of Hubble crawler system | Algorithm Engineer Intern |
| 10/2012-3/2013 | Easyroid Tech., Beijing
• SayHi!(Android, over 10M users) updates and maintenance
• Design and develop several Android apps | Android Developer Intern |