

Shijiang Chen

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Contact

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Community

in chenshijiang
Dectinc

Programming

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

Tools

Linux, Mac OS
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

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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 Python | |
| 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 | MIG Platform | 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 | |
| 7/2012-6/2013 | 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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|----------------|--|---------------------------|
| 7/2015-9/2015 | Search Technology Center, Microsoft, Beijing | Intern |
| | • Based on Cosmos, help improving relevance performance of image verticle search with snippets from Bing | |
| 9/2013-7/2015 | Tsinghua University, Beijing | Teaching Assistant |
| | • Design and assign projects for both undergraduates and graduates | |
| 7/2014-10/2014 | Shenma mobile search, Beijing | Developer Intern |
| | • 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 Engineer Intern |
| | • Automated testing of functionality and performance of Hubble crawler system | |
| 10/2012-3/2013 | Easyroid Tech., Beijing | Android Developer Intern |
| | • SayHi!(Android, over 10M users) updates and maintenance | |
| | • Design and develop several Android apps | |