Boston , MA
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Github: https://github.com/ray-young   Technical Blog: http://www.leiyangblog.com

Languages and Technologies

- **Programming Languages:** Java, Ruby, Perl, C, C++, Python, JavaScript, HTML
- **Techniques:** JAX-RS, Jersey, J2EE, Jekyll, AWS, Ruby on Rails, Bash, SQL, JQuery, XML;
- **Platforms:** Linux, Unix, Android, MySQL
- **Tools:** Git, Vim

EMPLOYMENT HISTORY

QAD, Software Engineer   **Shanghai, China**
 Version Control System (Java, Perl, Git)   *July 2015 – June 2016*

- Implemented Restful webservices for effective data accessing, utilizing Jersey to build the server and client
- Developed the VCS file system, DAO modules and business modules based on Git
- Designed algorithm to manage process conflicts problem by setting up priority queue

SAP, Software Development Intern   **Shanghai, China**
 Website Automation Testing System (Ruby, Ruby on Rails) *July 2014 – Oct 2014*

- Designed and implemented Automation Testing Framework and automation cases driven by WATIR
- Improved system execution efficiency by 50% by implementing parallel processing technique
- Enabled continuous automation testing by integrating the system with Bamboo

EDUCATION

Boston University   **Boston, MA**

- M.S. in Computer Science   *Sep 2016 – Present*
- **Coursework**: Advanced Algorithm, Computer Network, Data Science in Python   *Expected: Dec 2017*

 Tongji University   **Shanghai, China**

- B.E. in Computer Science, GPA: 3.84   *Sep 2011 – June 2015*
- **Selected Coursework**: Databases, Software Engineering, Information Security, Android Development
- Academic Scholarship (2014)**:** 2nd (top 15%) academic scholarship in Tongji University

TECHNICAL EXPERIENCE

Hetzer Web Crawler (Java)   *August – Dec 2014*
Role: Team Leader

- Devised customized content extract interface to allow developers to define special regex pattern
- Improved average memory access time by 23% by using H2O in-memory database to handle data accessing
- Constructed web source analyzer and resource fetch engine

RSS Reader (Java, JAX-RS)   *March – July 2014*
Role: Project Manager

- Implemented Restful webservice client side for fetching and analyzing data from content providers
- Analyzed the XML files and extracted significant core content data with DOM

Network Packet Capturer (C++)   *Oct 2013 – March 2014*

- Gathered the packets from LAN using WinPcap
- Organized readable contents for users by implementing regex analyzer

ADDITIONAL EXPERIENCE AND AWARDS

- **Vice-Captain of Tongji University Debate Team (2012 – 2013):** Coached the team in University Debate Competition and National Debate Contest