

Boston , MA

LEI YANG

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LANGUAGE & TECHNIQUES

- Programming Languages Java, Ruby, Perl, C/C++, Python, Ruby on Rails, JavaScript, HTML
- Techniques Regex, Data Science, Jerseys, Selenium, AWS, Bash, SQL, JQuery, XML
- Platforms &Tools Linux, Android, MySQL; Vim Git

EDUCATION

Boston University

Boston, MA

- M.S. in Computer Science
- Courses: Advanced Algorithm, Computer Network, Data Science in Python

Sep 2016 – Dec 2017

Tongji University

Shanghai, China

- B.E. in Computer Science, GPA: 3.84/4.0
- Courses: Software Engineering, Mobile Development, Data Structure, Design Pattern, SOA, Linux System
- 14' Tongji University Academic Scholarship (Top 15%)

Sep 2011 – June 2015

EMPLOYMENT HISTORY

QAD, Inc., Software Engineer

Shanghai, China

Version Control System (Java, Perl)

July 2015 – June 2016

- Created the VCS file control module and system rollback function based on Git
- Enhanced the reliability of the system via implementing webservice for DAO methods
- Designed algorithm to manage executing conflicts by analyzing processes' status and setting up priority queue
- Integrated the system with project management system (Jira) using Restful APIs

SAP, QA & Developer Intern

Shanghai, China

Web Automation Testing Framework (Ruby, Selenium)

July 2014 – Oct 2014

- Implemented the testing framework and automation cases driven by Selenium
- Reduced the system execution time by 50% by utilizing parallel processing technique
- Enabled continuous integration with Bamboo

TECHNICAL EXPERIENCE

Hetzer Web Crawler (Java)

August – Dec 2014

Role: Team Leader

- Devised Regex to extract web resources, constructed the crawler's engine
- Implemented multi threads to allow downloading various materials at the same time
- Enabled saving login details by fetching the HTML header and analyzing the cookies
- Improved the elasticity of the system by using H2O in-memory database to store data

RSS Reader (Java, Python)

August– Oct 2016

Role: Project Manager

- Designed algorithm to analyze huge XML file (over 10GB) via iterparser and clearing real-time memory
- Implemented dataframe to abstract and categorize complex data using panda
- Created RSS analyzer to decompose files and extract core content data by utilizing DOM

ADDITIONAL EXPERIENCE AND AWARDS

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