Boston , MA

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LANGUAGE & TECHNIQUES

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

EDUCATION

Boston University   **Boston, MA**
- M.S. in Computer Science   *Sep 2016 – Dec 2017*
- Courses: Advanced Algorithm, Computer Network, Data Science in Python

Tongji University   **Shanghai, China**
- B.E. in Software Engineering, Major GPA: 3.76/4.0   *Sep 2011 – June 2015*
- Courses: Software Engineering, Mobile Development, Data Structure, Design Pattern, SOA, Linux System
- 14' Tongji University Academic Scholarship (Top 15%)

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, Developer & QA 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

RSS Reader (Python, Data Science)   *Ongoing*
Role: Project Manager
- Designed algorithm to analyze huge XML file (over 10GB) via iterparser and clearing real-time memory
- Programmed model to convert word content to vector, and calculate Norm similarity of the content
- Visualized the similarity/distance of data with heatmap using Seaborn
- Created Regex to extract core content and display them to users through HTML page

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

ADDITIONAL EXPERIENCE AND AWARDS

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