

Lingwei Xu

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EDUCATION

The George Washington University, Washington, DC **May 2017**
Master of Science in Engineering, Computer Science, GPA: 4.0/4.0

Hefei University of Technology, Hefei, China **July 2015**
Bachelor of Engineering, Software Engineering, GPA: 3.3/4.0

- School-level Academic Scholarship (2012, 2013, 2014)
- Merit Student (Top 10% in the Department, 2014)

TECHNICAL & LANGUAGE SKILLS

Programming Languages: Python, C++/C, Java, Object C, SQL, HTML, C#, LISP

Development Tools: Sublime Text, Xcode, Visual Studio, Eclipse, MongoDB, Redis, MySQL, SQL Server, Oracle

Assistant Tools: Selenium, JMeter, LoadRunner, Git, SVN, Zentao, Redmine, Adobe Photoshop, Microsoft Office Suite

Operating Systems: Darwin, Windows, Linux

Languages: Mandarin, Cantonese, English

WORK EXPERIENCE

ProAce International Conglomerate, Washington, D.C **Dec 2015 – Now**
Moving Lead Department, *Software Engineer*

- Developed Python program to create website spiders by scrapy library, deployed scripts in Redhat Openshift server and ran them daily automatically by Cron 1.4 server
- Used MongoDB 2.4 to store dynamic data and cache, remote connected MySQL 5.5 which is deployed in CPanel server and updated the data everyday after website spiders finished crawling data
- Visited 7 websites, crawled 30,000+ web pages, obtained 20,000+ valid data and stored them in remote MySQL

IFLYTEK Co., Ltd, Hefei, China **Sept 2014 – June 2015**
Technical Quality Department, *Software Quality Assurance Engineer & Intern Team Leader*

- Improved the quality of the Quantity Assurance of Speech Annotation Platform 5.0 project by identifying 600+ bugs through Black-box Testing, White-box Testing, Automated Testing (Python version) and Performance Testing (LoadRunner), collaborated with the Development Team to fix bugs and ensured proper quality checks

Project: Quantity Assurance of Speech Annotation Platform 5.0

- Conducted functional testing of sub-modules including Speech Transliteration System, OPENUSER, Cloud Storage Engine and Task Center to guarantee working functions
- Developed the performance testing of United Message Service by writing LoadRunner script to test the performance
- Shortened the development cycle and launch date by 17 days due to the positive test results

China NIIT Institute of Service Outsourcing, Wuxi, China **June 2014 – July 2014**
Fribridge Age Department, *iOS Development Engineer & Development Team Leader*

- Enhanced team efficiency by designing back-end logical and coordinating project logistics
- Implemented text conversion and voice synthesis function to improve user experience
- Exceeded expectations: more than 60 new users per day and over 45,000 overall users to date

RESEARCH PROJECTS

Hefei University of Technology & Harvard Medicine School, Hefei, China **Dec 2014 – June 2015**
Search Engine of Medicine Information Tagger

- Implemented business logic by using big data management, natural language processing and keyword handling (Using Python under Django): read CSV file, extracted keywords, matched text, recommended tags and returned JSON data
- Integrated by Harvard Medical School; created search engine to construct and assign hash tags to medical pictures, which were then used on Harvard's medical picture knowledge base

PUBLICATIONS

- Lingwei Xu¹, Yexin Li², Economics of Software Testing, Science and Technology Research, CN11-4219/E; ISSN 2095-3589, contributed on August 20th 2014
- Lingwei Xu, Mutual Evaluation System Based on University Student Comprehensive Quality Assessment, China Science & Technology, CN11-4650/N; ISSN1671-2064, contributed in August 2014

LEADERSHIP

- Volunteer, Anhui Guozhen Academy of Classical Learning **Oct 2013**
- President, Badminton Association of HFUT **Sept 2012 - June 2013**
- Vice Director, Publicity Department in Student Union of HFUT **Sept 2012 - June 2013**