

# Liang Yu

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## CONTACT INFORMATION

Woburn  
Massachusetts

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## COMPUTER SKILLS

- **Programming Languages:** C, C++, Java, Python, Linux Shell, tcl, L<sup>A</sup>T<sub>E</sub>X
- **Development Tools:** Vim, Sublime Text, Eclipse, GDB, Valgrind
- **Operating Systems:** Unix/Linux, Mac OSX, iOS, Android, Windows
- **Networking:** Wireshark, Fiddler, SIP, TCP/IP, TLS/DTLS, SSL, RTP, DNS, VLAN, Sipp
- **Web Development:** Javascripts, CSS3, HTML5, Bootstrap, Tomcat, REST, Flex, Dojo, Ajax, GWT
- **Version Control:** GIT, SVN, Jenkins, Jira, ClearCase
- **Cloud Computing:** MySQL, Hadoop, MapReduce, Windows Azure

## WORK EXPERIENCE

**Oracle America Inc.**, Bedford, Massachusetts USA

*SQA Analyst*

Since 2014.2

- Designed functional, integration and regression test plans for various features of Session Border Controller Products.
- Wrote tcl scripts to run the unit tests.
- Wrote performance test plans and set up devices for performance tests.
- Analyzed the results of performance tests to identify scale, performance and stability aspects before codes were released.

Integrated Computer Solutions, Bedford, Massachusetts USA

**Software Developer**

2013.4 - 2014.2

Topics (Android App)

- Wrote a NetworkManager Class to provide clear and convenient access to the Topic server.
- Implemented fourteen AsyncTask subclassed to call the REST API and parse the response in JSON format.
- Bridged the UI Components and the datasources by extending Android BaseAdapter class
- Built the UI with fragments and navigation drawer.
- Implemented unit tests for APIs with pytest in Ubuntu environment.

Inkarus Game (HTML5 and Javascript Game)

- Added three advertisement banners in the GameOver page by leveraging the Microsoft Advertising SDK.
- Submitted the score and screenshot of the solution to Windows Azure cloud and rendered data from cloud to users by using WinJS library and HTML5.
- Fixed animation bugs in the legacy codes.

**Acme Packet**, Bedford, Massachusetts USA

*Software Developer Intern*

2012.1 - 2012.8

- Helped with ASC automated testing framework by writing twenty Python unit tests on SIP protocol

- Identified and fixed bugs in four existing web services applications.
- Developed the Call-Transfer web services application with JavaScript and Dojo API.
- Enhanced the quality of an existing iOS mobile application by fixing two bugs and improved its UI and workflow by implementing good interface design principles.

## EDUCATION

**Northeastern University**, Boston, Massachusetts USA

*Master of Science, Major in **Computer Science***

2010.9 - 2012.12

**Nanchang University**, Nanchang, Jiangxi China

*Bachelor of Science, Major in **Mathematics***

2005.9 - 2009.6