

# Liang Yu

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## SKILLS

### Languages:

Java • Swift • C • C++  
Objective-C • Shell Script  
Python • Tcl •  $\text{\LaTeX}$  • Ruby

### Operating System:

macOS • Linux (CentOS, Red Hat)

### networking:

TCP/UDP • SIP • Route 53

• RTP • SSL • TLS

### Web Development:

Javascript • HTML5 • CSS • RESTful  
SOAP • Ajax • Bootstrap • MySQL

### Mobile Development:

iOS • Android

### Development Tools:

XCode • Eclipse • Android Studio  
Visual Studio • GIT • SVN • GDB  
SIPP • Wireshark • Fiddler • EXFO  
Pycharm • Window Azure

## EDUCATION

### NORTHEASTERN UNIVERSITY

#### MS IN COMPUTER SCIENCE

2010.9 - 2012.12 | Boston, MA

College of Computer and Information  
Science

### NANCHANG UNIVERSITY

#### BS IN MATHEMATICS

2005.9 - 2009.6 | Nanchang, China

College of Science

## COURSEWORK

### GRADUATE

Functional Programming(Scheme)  
High Performance Computing(C)  
Advanced Algorithms  
Computer System(C)  
Parall Computing in MapReduce(Java)  
Managing Software Development(Java)

### UNDERGRADUATE

Assemble Language(IBM X86)  
Data Structure(C)  
Intro to Database  
C Programming Language

## EXPERIENCE

### ORACLE | SOFTWARE TESTING ENGINEER

2014.2 - recent | Bedford, MA

#### TSM Project (Linux, iOS, Android platforms)

- Enhanced the existed iOS/Linux apps to test new features and maintained the existed Android Test App.
- Wrote scripts to automate more than 1,000 test cases for TSM SDK, which extended the test coverage 5 times.
- Raised 200+ product defects, including critical defects that affected performance and capacity.
- Familiar with TLS/SSL security protocols and socket programming in Linux.
- Design test plan documents and executed the capacity and performance tests.

#### SBC REST API Project

- Worked in an Agile Team and wrote automatic scripts to test SBC API and opened dozens of defects.

#### VNF for SBC Project

- Wrote TCL scripts to automate various performance test cases, which covered different vm core combinations.
- Released the weeks of manual test effort and boosted the usage of test equipments.

### Integrated Computer Solutions | SOFTWARE DEVELOPER

2013.4 - 2014.2 | Bedford, MA

#### Topics (Android App)

- Used AsyncTask class to call the Restful API and parsed the reponses in JSON format.
- Implemented unit tests with pytest in Ubuntu environment.

#### Inkarus Game (Window 8 Metro Apps)

- Integrated existing App with the Microsoft Advertising SDK.
- Implemented the feature to synchronize the score and screenshot of the solution to Windows Azure cloud and retrieve data from cloud by using WinJS libraray and HTML5.

### Acme Packet | SOFTWARE DEVELOPER INTERN

2012.1 - 2012.8 | Bedford, MA

- Contributed to ASC automated testing framework by writing unit tests in Python.
- Wrote JavaScript to develop a Call-Transfer web service application with SOAP API.
- Configured VMs on XenServer to run various SIP tests.
- Enhanced an existed iOS App by fixing defects and verified them on iPhone and iPad.
- Fixed defects in existed web services applications.

### Freelancer | IOS APP DEVELOPER

theBostonT: avaiable in Apple App Store

- Utilized the REST API provided by MTBA to get real-time data.
- Familiar with Corelocation, Mapkit, Network frameworks, UITableView and UICollectionView.
- Implemented design patterns to maintain clean and clean codes.

## SOCIETIES

- Contributed 2 defects to Apple Developer Community
- Private Pilot • Photographer • Travel Addict