Liang Yu

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SKILLS

Languages:
Java • Swift • C • C++
Objective-C • Shell Script
Python • Tcl • LATEX • Ruby
Operating System:
macOS • Linux (CentOS, Red Hat)
networking:
TCP/IP • 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 exsited 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 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.

SBC VNF Project
- Wrote TCL scripts to automate various performance test cases, which covered different vm core combinations.
- Released the weeks of mannual 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.

Personal Project | 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.
- Used GitHub for source control.

SOCIETIES

- Private Pilot