Liang Yu

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SKILLS

Languages:
Java • Swift • C • C++
Objective-C • Shell Script
Python • Tcl • LaTeX
Operating System:
Mac OS X • Linux (CentOS, Red Hat)
networking:
TCP/UDP • SIP • SDP • RTP • SSL/TLS
Web Development:
Javascript • HTML5 • CSS • Restful
Ajax • Bootstrap • MySQL
Mobile Development:
iOS • Android • WindowsPhone
Development Tools:
XCode • Eclipse • Android Studio
Visual Studio • GIT • SVN • GDB
SIPP • Wireshark • Fiddler

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)
Data Structure(C)
Intro to Database
C Programming Language

EXPERIENCE

ORACLE | SQA Analyst
2014.2 – recent | Bedford, MA
Tunnel Session Management Project
- Enhanced the exsited iOS app to test more features. Rewrote an new version of iOS app with Swift language, and iOS 10 SDK. Added read audio communication with Oracle SBC, Upgrade existed tsmserver to handle multi-thread clients.
- Upgrated the Android Test App with Android 5.0 SDK.
- Wrote Tcl scripts to automate around 1000 test cases, which boost the test coverage by 500 Percentage.
- Raised 200 defects, including critical defect revealing the sever defect in performance and capacity. pointing out the potential fix solutions

Integrated Computer Solutions | Software Developer
2013.4 – 2014.2 | Bedford, MA
Topics (Android App)
- Implemented AsyncTask class to call the Restful API and parsed the reponses in JSON format.
- Bridged the UI views and the datasources by extending Android BaseAdapter class.
- Built the UI with Fragments and navigation drawer.
- Implemented NetworkManager Class to provide clear and convient access to the remote Server.
- 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.
- Implemented codes to submit the score and screenshot of the solution to Windows Azure cloud and rendered data from cloud to users by using WinJS libraray and HTML5.
- Found andFixed animation bugs in the legacy codes.

Acme Packet | Software Developer Intern
2012.1 – 2012.8 | Bedford, MA
- Enhanced an existed iOS App by fixing two defects and verifying on iPhone and iPad. And improved its UI and workflow by implementing good interface design principles. WebRTC, Flex
- Fixed defects in four existed web services applications and leveraged JavaScript and Doji API to develop the Call-Transfer web service application.
- Helped with ASC automated testing framework by writing 20 unit tests in Python.
- Configured four VMs on XenServer to run SIP tests.

Freelancer | iOS App Developer
Subway Tracking App for MTBA
-

Travelling App
-

FlightRadar 24 app for Boston Plane Spotting
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SOCIETIES

- Contributed 3 defects to Apple Developer Community
- Private Pilot • Photographer • Travel Addict