James Ma

|  |  |
| --- | --- |
| *Senior Software Engineer*  github.com/post-j-ma | Germantown, MD, USA  lymclymc123[@gmail.com +](mailto:adam@gmail.com)1 301 221 1658 |

# WORK EXPERIENCE

## **Senior Software Engineer, Intelligrated** - Jan*/2007  - present – Frederick, MD*

* Experienced with writing and developing unit tests under the jUnit testing framework and under the Test Driven Development model.
* Develop, maintain, and troubleshoot code with Java and C# (Winforms and Visual Studio 2013) at the Enterprise level, for 10 years.
* Working on a desktop Winforms client, in C# – a multi-tabbed, multiple document interface GUI, which connects to a series of services and displays data and allows the user to interact and control the system.
  + Developed a panel from scratch for this client which showed live statistical data to the end user.
  + Developed another panel which allowed users to control infrared devices.
  + Enhancing the existing 3D model viewer with functionality for new device types.
* Created a number of standalone GUI tools using Winforms and C#, including the following:
  + XLSX parser to generate an SQL script to populate a 3D model.
  + Another XLSX parser to take a partly filled in XLSX file (I/O list) and fill in the remaining data.
  + A log file parser that takes a log file and generates a series of XLSX files to describe the collected data.
  + Another log file parser that takes a log file and displays graphical data about problem areas.
* Set up and maintained Subversion repositories and Git and Mercurial version control systems
* Experience with Agile development (CI/CD) and SCRUM, and performing and participating in code reviews
* Experience with using Jenkins for automated test builds (under Continuous Integration)
* Performed performance and regression testing of applications with QA team, 6 years
* Provide Level 2 customer hotline technical support
* Develop and maintain various MSSQL scripts
* Assisted in re-implementing PCCT (Portable Carrier Configuration Tool), which uses infrared to wirelessly control and command lightweight motors.
* Extensive unix shell script and C code development under the SCO Openerver and Redhat Enterprise GNU/Linux environments
* Python code development under the MS Windows and GNU/Linux environments
* Set up and maintained Windows and Linux guest virtual machines as test environments on VMWare server and VMWare ESX Server and VirtualBox
* Assisted in setting up and maintaining server and workstation hardware, including replacing PCI cards, hard disks, and cdrom drives.
* Extensive knowledge of IP networking (setting IP routes, configuring iptables-based firewalls, setting up Virtual Private Networks (PPTP, SSTP, and OpenVPN), setting up Ethernet bridges, and using virtual network interfaces)
* Experience installing and deploying Windows 2003, 2008, and 2012 Servers
* Experience installing and deploying a variety of Linux servers, such as RedHat Enterprise, Gentoo, Debian, and ArchLinux, and am familiar with their respective package managers (rpm, emerge, apt-get, and pacman) as well.
* Experience installing and deploying Microsoft SQL Server, PostgresSQL, and MySQL systems.
* Experience installing and maintaining Apache web servers
* Experience with Tomcat and JSP serverlets
* Experience with using JIRA for bug tracking and Confluence
* Experience with JAD (Java decompiler) and Apache Common BCEL.
* Developed applications that relied on Websphere MQ
* Developed and maintained UIO framework and Linux Kernel Module drivers

# SIDE PROJECTS

**OpenEuphoria: Helped develop and maintain a programming language, OpenEuphoria (including the unit tests).**

**OpenEuphoria Forum: Helped develop and maintain a new, home grown custom forum software for a website, http://openeuphoria.org - source code for the software is available at** <http://scm.openeuphoria.org/hg/euweb/>

ACX111 driver: Experimented with Linux kernel driver for Texas Instruments ACX111 chipset wireless card. Detailed at <https://sourceforge.net/p/acx100/mailman/message/27938580/>

# 

# 

# EDUCATION

## 2006 B.S. in Computer Science, University of Maryland

# TECHNICAL SKILLS

Java, JavaScript, .Net, XML, HTML, TCP/IP, Visual Studio.Net, Eclipse, SQL, MS SQL Server, MySQL, PostgresSQL, C, C++, C#, Winforms, Maven, Apache Ant, Bash Shell Script, Python, GTK, Subversion, Mercurial, Git, Redhat and Debian Linux/GNU System Administration