

# Marcus Wu

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## Objective

An accomplished programmer seeking a challenging role in the software engineering industry that offers the opportunity to utilize my programming experience.

## Summary of Qualifications

- Experience working for large companies, such as industry giant Amazon.com, as well as rapidly expanding small businesses.
- Experience working with, programming for, and administrating many different operating systems including Windows, Linux, and Mac OS X systems.
- Highly motivated to learn on my own: self-taught in many of the areas listed below in the technical experience section.
- Uniquely experienced in a combination of fields that include: server development, mobile development, network security, and systems administration.

## Technical Expertise

C/C++	OpenGL
Network programming	iPhone programming
MySQL database	Database schema design
PHP	Subversion
Linux iptables firewall	Reverse engineering
RAID arrays	Intel Assembly

## Professional Experience

### Oasys Mobile, Inc; Raleigh, NC

#### Systems Manager / iPhone game developer

2007 – present

- Responsible for PHP server development to support content and game delivery.
- Designed and wrote a C++ game engine used for all of Oasys's iPhone card games.
- Headed iPhone game development initiative by designing and writing Oh No!, Crazy Eights, and Hooters Crazy Eights.
- Designed and helped build the applications on a new server framework (Symfony based).
- Developed server side leader boards for Oasys's games.
- Responsible for systems administration of office servers as well as remotely hosted servers powering mobile applications and games.

## **Amazon.com (Booksurge), Charleston, SC**

### **Software Engineer**

2004 – 2007

- Developed and maintained software to support publishing and printing on demand.
- Created a PHP XML order document parser to receive orders from Amazon.com.
- Devised an unattended install configuration for setting up our Debian Linux servers.
- Implemented a series of scripts to make installing Oracle easier.
- Designed a Java tool to migrate data from a legacy MySQL database to a newer Oracle database.
- Served as system administrator for more than twenty Linux servers.
- Created and maintained two Linux iptables firewalls.
- Scripted many tasks such as code deployment, server disk usage warnings, and server status reporting.
- Wrote a layer of web requests (SOAP) to add interactivity between our legacy application and its replacement to help seamlessly phase out the legacy application.
- Created accounts payable report to support changes to the royalty structure.

## **LURHQ, Myrtle Beach, SC**

### **Intrusion Analyst**

2002 –2004

- Monitored computer networks to deter intrusion attempts.
- Helped discover the initial Slammer worm outbreak and wrote snort signatures for it.
- Wrote regular expression filters to reduce noise from intrusion detection sensors.
- Achieved Sans GCI (Intrusion Analyst) certification.

## **Education**

B.S. in Computer Science  
Coastal Carolina University, Conway, SC

- Competed in the ACM International Collegiate Programming Contest for Coastal Carolina University – 1999 to 2001. In 2001, our team placed 3<sup>rd</sup> in the undergraduate division.
- Inducted into Upsilon Pi Epsilon Computer Science honor society.
- SGA Representative for Numbers and Bytes Computer Science and Math club at Coastal Carolina University) from 1999 to 2000.

*References available upon request*