

David Guinn

925-348-4168

1567 Sutherland Ct.
Concord, CA 94521
USA
dguinn@cs.ucr.edu

Career Objective Computer science position utilizing solid training and experience in computer programming and web development.

Summary of Qualifications

- Implemented Twigstack XPath (XML)query for senior team project in databases using C++ and Berkley DB.
- Demonstrated strong skills in object-oriented programming and the use of abstract data types.
- Designed and analyzed program to help users manage large number of files included the ability to locate duplicate files.
- Coded Linux Shell program in C++ to support background processes, I/O redirection, pipe commands, and batch files.

Education

B.S., Computer Science

2004

University of California, Riverside, Riverside, California

Course Work

- Object-Oriented Programming
- Automata and Algorithms
- Software Engineering
- Artificial Intelligence
- Unix Administration
- Data and File Structures
- Network Programming
- Computer Graphics
- Logic Design
- Statistics and Computers

Technical Skills

- Languages: C, C++, C#, Java, LabVIEW, PHP, Python, Perl, SQL.
- Application Software: Visual Studio, Microsoft Word, Excel, PowerPoint, FrontPage, Access, Adobe Photoshop.
- Server Software: Apache, MySQL, Postgre Sql, Samba, NFS, CVS, CUPS.
- Operating Systems: Linux, UNIX, Windows 98, 2000, XP, NT and DOS.

Non-technical Skills

- Fast Learner, able to quickly start working and adapt to new challenges.
- Proven teamwork skills and interpersonal skills in academic and work.
- Ability to work both independently and as a team.
- Dedication to high quality performance and strong work ethic.

Languages

Bilingual, with fluency in English (native-speaker) and intermediate Chinese(Mandarin)

Professional History

Web Development

Relevant Experience:

- **QAlias** - www.qalias.com - 2007/Current I helped design and implement the advertising tools used by QAlias to work with Yahoo's and Google's advertising programs. I've provided guidance on redesigning the original QAlias PHP code used for the website into a manageable, efficient, and extensible project. I've also helped QAlias with testing security of their online services.
- **ASP-Support** - www.asp-support.com - 2004/Current, I manage and support their current website, keeping it up to date, adding tools as needed for the company. Web tools I've added and customized include a bug tracking system, a CVS browser, and various other tools using open source projects.
- **CK Motors** - 2005, I coded the back end to this car management website utilizing PHP and MySQL. Handled file uploads, secure administrator section, and various other web tools to manage the website using the original design provided by the client.
- **Textbookz** - 2002, I designed following the specifications given by the client. Written in PHP and using MySQL as the back end database and a web design for the client-side using HTML and Javascript.

2004 to present

Software Engineer and System Administrator

Alliance Support Partners, Inc.

Relevant Experience:

- International and Domestic Field Support, visiting customers worldwide to deliver, install, demonstrate and teach operators on ASP's software and hardware products.
- Designed, implemented and maintained with a team of engineers, an Java/C# based software suite for a machine designed to test airplane electronics. The CTS software is ASP's main project throughout the life of the company and continues to improve the software. The CTS software suite allowed the operator to operate, manage, debug, execute tests with the CTS machine. As a part of this suite, I also designed and coded configuration management system and error handling system using C#. Designed and implemented C++ and C# interoperability API to CMS and error handling system.
- Designed and implemented GUI allowing a scientist or technician to setup, save and run experiments, while in real-time, analyze and view data. Also wrote low level drivers to communicate with Potentiostat PCI Board. Completed the project to our client's complete satisfaction and this brought more business opportunities from the client to ASP in terms of new projects.

- Helped design and code a C++ API for a functional test machine being developed by a client; including a MFC application to help display status information for the test being performed.
- Admin for multiple Windows 2000/XP/2003 and Linux workstations and servers, including designing, implementing and managing source control, storage management, backups, and recovery, and managing the network and security.