

# Philip J. Allen

5601 Capstan Way, Sacramento, Ca 95822  
phil.j.allen@gmail.com - Cell : 916.425.8740

**Objective:** A fast paced and challenging position in the Information Technology field with an organization that is goal oriented and offers the opportunity to learn new technologies and career advancement.

## Qualifications Summary

---

- More than **12 years** professional experience in the computer field.
- Strong **communication** skills while working in a team environment and with clients.
- Ability to **train** co-workers, students, teachers, and office staff how to use software and services used for their computer environment.
- Ability to **learn** and excel in new environments and strong comprehensive skills to learn new tools, systems, etc.
- Effective knowledge of **office suites** including Microsoft Office, Open Office, Corel Office, AbiWord, and Star Office.
- Experienced with a wide range of **Operating Systems**, including Windows, Macintosh Operating Systems, many flavors of Linux, Free BSD and Unix.
- A working knowledge of many **server software** configurations, strongly leaning towards open source software with Active Directory, Apache, Big Brother, BIND, IPTables, LDAP, MSSQL, MySQL, Nagios, Oracle, PHP, Postfix, Secure Shell, Sendmail, Teamspeak, WU-imap, Ventrillo, Vsftp, Xymon.
- System **security** on both the server and user end of computing. Turning off un-neccessary 'services', ports, programs. Auditing software such as Identity Finder, Kismet, Netcat, Netstumbler, Nessus, Nmap, Tripwire, Wireshark. Familiar with common exploit techniques such as back channeling, buffer overflow, cross site scripting, input validation, and the OWASP security recommendations.
- Advanced **programming** primarily for web based applications, including ASP, C, C++, Coldfusion, CSS, Java, Java Script, HTML, Perl, PHP, Shell Scripting, Visual Basic Script, XHTML.
- Reverse Engineering and **debugging** software such as soft-ice, hex editors, low level disk formatting and data recovery.
- Strong **troubleshooting**, debugging and problem solving skills on the software and hardware aspect of computers.
- **Networking** ranging from basic subscriber dial-up to fiber optics. With the understanding of Subnet structures, Internal Internet Protocol Addressing (10's networks), Local Area Networks, Wide Area Networks, Virtual Private Networks, Network Address Translation, Demilitarized Zones, Firewalls, Routers, Wireless Networks A, B, G, and N.

## Related Work History

---

**Computer Resource Specialist II**, Office of the University Registrar UC Davis, 2007.11 - Present

**Contracted Web Designer/Programmer**, Consolidated Streaming, 2005.05 - 2007.10

**Systems Administrator**, Eagles Peak Charter School, 2004.06 - 2005.04

**Consultant**, Self Employed, 2002.05 - 2004.06

**Systems Administrator**, Horizon Instructional Systems Charter School, 1997.11 - 2002.04

## Education and Training

---

Training Courses in Security, System Administration, Windows Active Directory, VMWare ESX server.

Continued College Education focusing on Bachelors of Science Degree in Information Technology.

El Camino High School, High School Diploma in the Eagle Polytechnic Institute, 1997

## References

---

**Brad Harding**, Supervisor UC Davis, 530-979-7133

**Don Cathey**, Consultant Partner, 512-663-2421

**Nate Perkins**, Consultant Client, 916-616-0052

## **Related Work History – Expanded**

---

### ***Computer Resource Specialist II***, UC Davis, 2007.11 – Present

- Provide primary desktop support for staff workstations and office hardware.
- Maintain servers running Active Directory, Apache, ASP, Coldfusion, IIS, EMC Networker, MSSQL, MySQL, Nagios, Oracle Server and Client, PHP, Sophos Enterprise Anti-Virus Software, Sun Java Systems Web Server, VMWare ESX, Xymon.
- Use and implementation of a backup system using EMC Networker, customized Visual Basic Scripts, batch files, SCP. Working with tape and hard disk media.
- Perform and automate scheduled network security audits using tools like ID Finder, Cornell Spider, Tripwire, Nessus, Nmap, Wireshark.
- Implement secure data transfer practices using Secure Shell Tunnels and other encrypted data transfers.
- Audit network stability using tools like iPerf.
- Repair and maintain office equipment copiers, faxes, typewriters, microfilm and microfiche units, ID card printers, encoders and readers.
- Programming simple utilities in PHP, Visual Basic Script, Shell Scripts.
- Documentation of local system configuration, network settings, installation procedures. Creation of network topology and workstation configuration diagrams.
- Configuring Systems to work with Dafis, Banner, PPS, and other core UC Davis software applications.
- Design and implement a virtual server environment using VMWare ESX server.
- Build and configure linux internet web browser kiosks.

### ***Contracted Web Designer/Programmer***, Consolidated Streaming, 2005.05 – 2007.10

- Application Development in PHP : Basic error checking forms, template structure, database connectivity, file transfer protocol (FTP) modules, auto reply email, password protection, RSS generators and parsers, XML generators and parsers, file uploading, on the fly image manipulation, date conversion, calendars, "Completely Automated Public Turing test to tell Computers and Humans Apart" (CAPTCHA), build benchmarking tools, cryptology including work with DES, TripleDES, Blowfish and one way Cryptography.
- Database design with MySQL and MSSQL.
- Application debugging and testing in ASP and AJAX. Creation of data export processes to allow ASP and PHP application cross talk.
- Updating and replacement of insecure program methodology.
- Acquired the design and maintenance of web based applications. Rebuilding portions of an integrated architecture adding new modular components.
- Debugging unfamiliar code for logic and syntax errors.
- Server application compilations : MySQL, Apache, PHP, FreeTDS, PEAR.
- Configuration of Cisco T1 data lines and firewalls.
- Work with Concurrent Versions System (CVS) and Subversion.
- Web Design with HTML, XHTML, and CSS.

### ***Systems Administrator***, Eagles Peak Charter School, 2004.06 – 2005.04

- Network topology configuration of Cisco and Bay Networks routers. D-Link, Netgear, and Linksys; firewalls, routers and wireless access points.
- Internet data line configuration of cable, DSL, wireless and t1 lines.
- Maintained Windows and Linux servers for school services including E-mail, DNS, Websites, distance learning applications.
- Implementation of system backup utilities.
- Assisted with content updating of the school website and related services.
- Provided technical support to teachers, staff, parents, students and distance education program.
- Database design and user interface for an in-house ticket logging system.
- Documentation of network, services, system configurations, and security protocols.
- IP Network Printer installation.
- Support and creation of distance education software. Live chat, Video and Voice Over IP (VOIP), and File storage.
- Setup and Configuration for Anti Virus/Malware server. Configuration of office machines to use server update features.
- Telephone system maintenance. Central Exchange (Centrex) and Plain Old Telephone Service (POTS).
- Documentation of common security exploits through file sharing and opens ports with Windows XP.

**Consultant**, Self Employed, 2002.05 – 2004.06

- Network layout and design.
- Security Audits.
- Static and dynamic web page design.
- Contracted Emergency System Administrator including security and system monitoring.
- Home User and Small Business system and network configuration. Malware and Virus removal.
- Configuration of Network Printers : IP Printers and Windows Print Sharing.
- Configuration of Windows Domain Controllers.

**Systems Administrator**, Horizon Instructional Systems Charter School, 1997.11 – 2002.04

- Maintained Linux, Windows, and Macintosh servers for school services including E-mail, Domain Name System (DNS), Websites, Name Authentication Server (NAS), Dial-Up access, IP Bulletin Board System (BBS), Network Time Protocol (NTP), Databases (MySQL and Filemaker).
- IP Network Printer installation and configuration.
- Assisted in creation of databases for user authentication database and in house IT needs.
- Web based documentation of network and server configurations.
- Provided technical support for office staff, teachers, parents, and students.
- Support for distance education using Video and Voice Over IP (VOIP), with Polycom and CuSeeMe.
- Implementation of system backup procedures.
- Creation of network monitor utilities for servers.
- Assisted with configuration of network data lines : T1, T3, DS3, OC12.
- Network configuration Bay Networks and Nortel Networks.
- Assisted with telephone systems. Private Branch Exchange (PBX) and Plain Old Telephone Service (POTS).

## **Technical Application Proficiencies**

---

### **Operating Systems -**

Windows, Macintosh, Linux (Debian, Fedora, Gentoo, OpenSuse, PPC, RedHat, Suse, Ubuntu, Xandros, YellowDog), FreeBSD, Solaris, and Unix

### **Programming -**

Ajax, ASP, Batch File Scripting, C, C++, ColdFusion, CSS, Extensible Hyper Text Markup Language (XHTML), Hyper Text Markup Language (HTML), Java, Java Script, Perl, Python, PHP, Shell Scripting, Visual Basic, Visual Basic Scripting (VBS)

### **Server Configuration -**

Domain Name System (DNS) : Bind DNS, Men & Mice DNS, Microsoft DNS  
E-Mail : Horde Web Mail, Microsoft Exchange, NeoMail, Postfix, Sendmail, Squirrel Mail, WU-IMAP  
Network Monitor : BBWin, Bigbrother, Hobbit, Nagios, Netsaint, Xymon,  
Firewall : IPFW, IPTables, Windows Firewall, WIPFW  
File Transfer : Cerberus, OpenSSH, WUFTP, VSFTP  
Hyper Text Transfer Protocol (HTTP)/ Web Servers : Apache, ISS, Sun Java Systems Web Server  
Content Management System (CMS): Zope  
Database: Filemaker, Lasso, PostgreSQL, MSSQL, MySQL, Oracle  
Forums : MiniBB, Vbulletin  
Video Application Server : CuSeeMe  
Voice Over IP (VOIP) : Skype, Teamspeak, Ventrillo  
Other : Samba

### **Applications -**

Anti-Virus/Malware Removal :Adware, AVG Anti-Virus, CCleaner, Clamwin Anti-Virus, Hijack This, Internet Cleaner, McAfee Anti-Virus, Microsoft Anti-Spyware, PC Cillin, Sophos Anti-Virus, Spybot Search & Destroy, SpywareBlaster, Symantec/Norton Anti-Virus, Trend Micro Anti-Virus  
Diagram : Dia, Visio  
E-mail : Eudora, Pine, Microsoft Outlook  
Graphic Design : Adobe Illustrator, Adobe Photoshop, GIMP  
Misc : Adobe Acrobat, Adobe Premier, BloodShed, Hotcomm, PDF Creator, PrimoPDF, Skype, Soft-ice  
Network Utilities :Kismet, NAI Sniffer, Netcat, Netstumbler, Nessus, Nmap, Putty, SCP, SmartFTP, SSH, TCPdump, WinSCP, Wireshark, VNC  
Office : Abiword, Corel Office, Microsoft Access, Microsoft Excel, Microsoft Power Point, Microsoft Word, Open Office, Star Office  
Text Editors : Bluefish, Nano, Notepad, Notepad2, Pico, VI  
Web Design : DreamWeaver, Macromedia Flash, Notepad2