

## Jonathan Kay

Alchemy Computer Solutions  
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### Education

Stevens Institute of Technology, Hoboken, NJ  
Bachelor of Science in Computer Science with Honors, 2000

### Experience

#### Independent Consulting

July 2006 - ongoing

Provide systems and network support in primarily unix-based environments for a wide variety of clients including:

[Sailboat Owners](#), Seattle, WA

Support software and hardware for a Linux-based E-Commerce and large online forum site.

[Wim Hol Biochemistry Lab](#), University of Washington, Seattle, WA

Maintain and upgrade Linux-based servers and visualization desktops, and keep a large number of complex scientific software packages up to date.

[Echo Communications](#), New York, NY

Maintain the software and hardware necessary to keep a proprietary Solaris-based online forum running smoothly.

Other clients include: [Conflare](#), [Madison Park Group](#), [Rodax Software](#), [Green Lab](#) in Genome Sciences at UW, Register Tapes Unlimited, BioWaves, [Emerald Biostructures](#), [Quattroworld](#), [Direct One Networking](#), Hybrid Data Systems, and [Red Stapler](#).

#### Club House Creations, Inc., New York, NY

March 2003 - July 2006

*Director of Technology / Systems Administrator*

Responsible for all major technical decisions of the company and their integration into the current environment; instruct users in best practices for new Enterprise Resource Software; negotiate with hardware, software, and service vendors; plan, design, and implement server architecture for long-term use.

#### Oberlin College, Oberlin, OH

June 2001 - March 2003

*Systems Administrator: Computer Science Program, Physics Department*

Purchase and implement new central server; purchase and implement new computers for student computing lab; configure and maintain department servers; increase security and reliability of all systems; maintain standard network systems; automate backups and updates.

#### Club House Creations, Inc, New York, NY

January 2000 - March 2003

*Computer Consultant*

Plan, organize, configure and install Windows 2000 servers with Active Directory, DHCP, DNS, and Exchange 2000; configure clients for access to servers and internet; troubleshoot difficult network and system problems.

Public Access Networks, New York, NY

June 2000 - November 2000

*Computer Technician*

Construct, install, and administer NetBSD servers for customer use; program user software in perl; implement anonymous web proxy; fix problems with both staff and customer machines; keep workplace secure.

Stevens Institute of Technology, Hoboken, NJ

August, 1997 - September 2000

*Computer Specialist, Mathematics Department*

System administration (Windows NT, Linux/NeXT/IRIX); implement Windows NT web server for use with Frontpage; configure and help create streaming media (Real and Windows Media); repair and upgrade computers; provide general technical expertise.

Logical Support, Inc., Independence, VA

January 1996 - August 1997

*Systems Administrator*

Update UNIX and Windows NT servers; administer web and ftp servers on Windows and Unix; configure modem dial-in (PPP) under WindowsNT and Unix for clients; upgrade hardware and software; installed Networks for industrial and educational use; troubleshoot problematic machines, both customer and staff.

**Skills**

Software

Unix: NetBSD, Solaris, Linux (Redhat and Debian distros), OS X, Tru64  
Unix, Linux, IRIX, MS Windows, SAS, VMware, Xen, BIND and DHCP,  
NFS and Samba, Postfix; Apache, ZFS, MRTG/RRDT, Nagios, Cisco IOS,  
Amanda, Cfengine, SQL

Hardware

x86/x64 based machines, Sun SPARC hardware, redundant hardware  
implementation, networking switching and routing

Languages

Perl, shell scripting, awk, sed, PHP, C

Other

Quick to learn new skills and understand complex environments while being  
able to explain to non-technical users