Alex Chekholko

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Objective

Information Systems / Infrastructure position

- Experienced systems administrator seeks to enable people to use technology more effectively with a focus on high performance computing and large-scale storage.

Experience

University of Pennsylvania   **Philadelphia, PA**
Senior Systems Administrator, Penn Genome Frontiers Institute   *Jan 2008 - Present*
- Installed, configured and maintain new Linux HPC cluster based on IBM's General Parallel File System and Sun Grid Engine; ~100 compute nodes, ~40TB SAN.
- Used Cobbler and Puppet to automate deployment and configuration of machines.

Systems Administrator, Penn Center for Bioinformatics   *Sept 2006 – Jan 2008*
- Coordinated computing services with other Centers in the School of Medicine.
- Performed technical consulting and cross-platform desktop and laptop support.
- Managed centralized storage with NFS and LDAP.
- Maintained file/print/web/mail Linux servers (RHEL, Sendmail, NFS, Samba, Apache), configured network equipment (VLANs, IPSec) and Linux/Mac/Windows workstations.
- Assisted with maintenance of several HPC clusters (~300 CPUs, Torque, Sun Grid Engine) and Storage Area Networks (Fibre Channel, GFS).

University of Rochester   **Rochester, NY**
Computer Consultant, Department of Neurobiology and Anatomy   *May 2004 - May 2006*
- Served as the support professional for all faculty, students, and staff in the department and as liaison to the Medical Center IT group.
- Administered departmental backup system (Retrospect, NTBackup, VBScript).
- Researched and authorized all computer-related purchasing.
- Administered an Organizational Unit (~200 PCs, ~100 users) in the Active Directory.

Computer Consultant, Ultrasound Research Lab   *September 2005 - May 2006*
- Maintained Windows 2000 domain controller (AD, DNS, DHCP, file/print), Linux file server (RAID, Samba) and Windows and Linux workstations and printers.

Lead Computer Consultant, Simon Business School   *September 2001 - August 2004*
- Installed, configured and maintained a help desk issue-tracking application (Roundup and PostgreSQL on Debian) used by the help desk students and staff.
- Set up and maintained a 40-PC Windows XP computer lab and supported a large network of Windows XP wireless laptops.

Flavor Software Inc.   **New York, NY**
Systems Administrator   *October 2000 - July 2001*
- Installed, configured and maintained Linux server (Apache/ProFTPD/MySQL/Bugzilla on Red Hat Linux 7) and Windows workstations.

Education

University of Rochester   **Rochester, NY**
M.S. Electrical and Computer Engineering   *May 2006*
- Completed Masters thesis on image processing, segmentation and visualization using the Insight (ITK) and Visualization (VTK) Toolkits with C++ and Tcl/Tk on Linux.
- Completed coursework on Digital Signal Processing, Image Processing, Stochastic Processes, Detection and Estimation Theory, Digital Communication, Wireless Communication.

B.S. Electrical and Computer Engineering, with Minor in Mathematics   *May 2005*

Stuyvesant High School   **New York, NY**
June 2001