

AARON D. TRAAS

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Objective:	To seek a challenging career in the field of computer science and/or information technology.	
Experience:	Vonage, Montclair, NJ	December 2006 – present
	Senior Software Engineer Development and maintenance of dynamic, multi-lingual, database driven, AJAX-laden managed corporate website with tens of millions of daily pageviews using PHP, Adobe Flash, JavaScript, which front MySQL and Oracle databases. Research and design of user interfaces for internal and external software tools. Development of internal tools for use by phone support agents across the globe. Creation and consumption of complex web services across a heterogeneous corporate network infrastructure.	
	Group DCA, Montclair, NJ	August 2003 – December 2006
	Software Engineer Developed interactive sessions for continuing medical education targeted to practicing physicians in Adobe Flash, developed proprietary tools in Adobe Flash, Adobe Flex and PHP for use by animators (scripted animation, database integration, information visualization, work flow optimization, task automation), developed proprietary client-server API for rapidly built database-driven Flash applications using PHP with Oracle and MySQL back-ends, application of human-computer interaction (HCI) analysis and design, development of interactive database-driven websites for Pharmaceutical brand promotion, development of web-based reporting and visualization tools using PHP, Flash, JavaScript, and Flex for internal and customer use.	
	SyncSort Inc., Woodcliff Lakes, NJ	March 2003 – August 2003
	Software Engineer Development and maintenance of device interfaces for enterprise-class multi-platform network backup product, which ran on 30+ different operating systems and 20+ hardware architectures. Development of in-house database driven web tools for tracking and indexing of resources.	
	HydraWEB Technologies, New York, NY	May 1999 – May 2001
	Software Engineer Design, implementation, and maintenance of Java-based graphical tools for configuration and monitoring a legacy UNIX-based load-balancing appliance, designing and implementing a kernel-level interface on the router to for the communication of with the client using a proprietary binary protocol, building and maintenance of a multitude of BSD and Linux servers.	
Skills:	<i>Programming Languages:</i> C/C++, Java, Pascal, BASIC, PHP, HTML/XHTML/CSS2, JavaScript, ActionScript 2/3, MXML, COBOL, bash/sh, LISP <i>API's and Protocols:</i> Qt, Win32, SDL, OpenGL, Java AWT and Swing, TCP/IP stack (including ICMP, UDP, etc.), HTTP, SMTP, FTP, Prototype.js (AJAX) <i>Operating Systems:</i> Linux (0.9-2.6 kernels; Red Hat, Ubuntu, Fedora, Debian, Slackware), UNIX (Solaris, Irix, *BSD), Windows (9x/ME, NT/2000/XP) MacOS X <i>Software of Note:</i> MySQL, Adobe Flash 8, Adobe Flex 2, Openoffice.org, Linux Terminal Server Project, Adobe PhotoShop, Adobe Illustrator, DigiDesign ProTools 7	
Education:	New Jersey Institute of Technology, Newark, NJ	September 1996 – December 2002
	Bachelor of Science in Computer Science Special topics of study: <ul style="list-style-type: none">• Human/Computer Interaction (HCI)• Advanced interactive real-time 3D computer Graphics• Cross-platform software development	
Projects:	<i>Network-in-a-box</i>	Portable LTSP based network that fits in a 12U portable amp rack. Rack contains a server, 16-port switch, power conditioner, and cabling for 10 terminals. Server runs a Ubuntu 7 with LTSP 4. Inexpensive diskless x86 clients boot a Linux kernel image which they download over the network, and start up X11 and run locked-down Firefox 2. All HTTP traffic is run through a transparent proxy for strict filtering.
