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Alexander J. Pennace

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**Objective** To use my unique logical, creative and problem solving abilities and wide general knowledge and education to the benefit of my employer and team in a computer science related field.

**Education** UNIVERSITY OF MASSACHUSETTS LOWELL Lowell, Mass.  
Septemeber 1997 – June 2002

Studied Computer Science (undergraduate and graduate) and Electrical Engineering. Earned undergraduate computer science degree.

ST. JOHN'S HIGH SCHOOL Shrewsbury, Mass.  
Graduated June 1997

Took Advanced Placement courses for Chemistry and Physics, earned National Merit Scholarship commendation.

**Experience** DIRECT IT, INC. Waltham, Mass.  
August 2006 – present

Software Developer – designed and implemented major components of company's document management product. Components include: automatic updates, DVD backup, email subsystem, and custom customer solutions. Implemented many bug fixes and performance improvements. Managed version control system.

FOLEY INDUSTRIAL ENGINES, INC. Worcester, Mass.  
August 2002 – August 2006

Operations Manager – managed short and long term projects with vendors and clients. Worked directly on website, expanding and improving feature content, improving user interaction and search engine optimization. Supervised parcel and less-than-truckload domestic and international shipping for engines, transmissions and parts. Administered mixed Windows/Unix network. Managed sales and customer service call center. Managed merchant account. Handled credit card chargebacks. Devised improvements throughout the organization. Worked on integrating parts lookup with call center systems.

UNIVERSITY OF MASSACHUSETTS LOWELL Lowell, Mass.  
August 1997 – August 2002

Research Assistant – general help for a research group. Worked on federal projects. Coordinated research computer services, administered networked Windows and UNIX systems. Since January 2002, worked on computer security problems.

FLEXCON Spencer, Mass.  
June 1997 – August 1997

Roll-Form Packer – packages rolls of pressure sensitive and other materials. Maintained physically intensive activity throughout 12 hour work shift. Coordinated activities with coworkers. Used a variety of tools, including cranes for rolls weighing up to 1000 lbs, in a safe and effective manner. Handled a variety of customer specifications.

## Activities

DEBIAN PROJECT  
July 2001 – present

Worked as a developer on the Debian project.

Tutored computer science students at all levels, including seniors in project courses (while an underclassman). Peer counseling. Worked on volunteer effort web sites, such as <http://www.978.org/>, <http://counter.li.org/> and (award winning) <http://www.raininbox.com/>. Coordinated a group of HTTP proxies in a cache mesh to promote network bandwidth savings by providing a more efficient way for the retrieval of Web resources. Distributed patches to open source software. Software support.

## Skills

Programming: C, C++, Java, BASIC (old and new), Pascal, Visual C++, Visual Basic, Perl, Intel assembly, shell scripting, parallel processing and threads, data structures, algorithm analysis, systems programming, secure programming, artificial intelligence, X11, GTK, CVS, RCS, PRCS, Make, ODBC

Operating Systems: UNIX (Linux, BSD, Tru64, Solaris), Windows (3.x, 9x, NT), DOS

World Wide Web: HTML, CGI, ASP, Java, JavaScript, style sheets, WML

Typesetting: LaTeX, SGML

Databases: SQL, Oracle, PostgreSQL, MySQL, Microsoft Access

Networking and Administration: NTLM, PAM, LDAP, NIS, Radius, Apache, Squid, Qmail, Postfix, BIND, Djbdns, DNS (registration, zone files), Samba, TCP/IP, SMTP, HTTP, FTP, NFS, SSL, SSH, Novell, NetBIOS, Windows Networking, Ethernet, Cisco, network design, network security, RIP, BGP, Sendmail, DHCP and BOOTP

Applications: Microsoft Office, Lotus 123, Mozilla, UPS WorldShip, Perkins SPi-Lite

Hardware: Current PC desktop and server systems, legacy PC systems, SCSI, IDE, USB, RAID, microcontrollers, logic design and circuit construction

Telecommunications: Avaya

Support: Fluent in English, excellent technical writing skills, excellent general writing skills, excellent verbal skills, extremely broad general knowledge, ability to learn and master new skills rapidly