Jeremy J. Olson

Jeremy -@- JeremyJOlson·com

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497 Hooksett Road #512

Manchester, New Hampshire

03104–2632

IT Knowledge

Skills:

- 16 years of experience in the IT field: System administration, security & encryption, web design & development, programming.
- Can multitask very efficiently.
- Strong attention to detail, compliance with relevant standards (*e.g.,* RFCs, W3C, ISO), security, and robust error-handling.
- Can learn new IT technologies very quickly, typically just using materials such as online references and manuals.
- Can type notes/minutes in near–real-time (*see* work as a minute-taker under Volunteerism and Public Office, below).

Languages: PHP, Perl, shell, Tcl, HTML5/XHTML, CSS, XML, XSL, RSS/RDF, C, JavaScript, JQuery, SQL, Java, Python, C^{++}, Ruby, BASIC, AppleScript, HyperTalk, Lisp, Scheme.

Protocols & standards: HTTP, CGI, AJAX, DNS, SMTP/POP3/IMAP, FTP, LDAP, POSIX, IRC, XMPP, X11, TCP/UDP, IPv4/6.

Security & encryption: HTTPS/SSL/TLS, SSH/SFTP, LUKS/cryptoloop, PGP/GnuPG, Tor, Freenet, Nagios, Tripwire, Bitcoin.

Operating systems: Linux (Mint, Ubuntu, Gentoo, Linux From Scratch, SuSE, Redhat, Fedora), Solaris, HP-UX, MacOSX, MacOS 6.0.8–9.2, Windows NT/2000/XP/7, Windows 98.

Software: nginx, Apache, PHP-FPM, bash, mod_perl, Postfix, Dovecot, MLMMJ, BIND9, MySQL/MariaDB/SQLite/PostgreSQL, GCC, Vim, rsync, Subversion, Drupal, Confluence, Zimbra, SquirrelMail, Roundcube, Gentoo Portage, OpenLDAP, iptables, nmap, all standard Unix/POSIX/GNU utilities.

IT projects & hobbies:

- Developing and administering many websites, including personal sites www.jraxis.com since 1996 and www.JeremyJOlson.com since 2010 *(currently these sites contain minimal content),* and EPRCI sites www.eprci.com and www.eprci.net.
- Maintaining several non-profits' websites on a volunteer basis (*see* Volunteerism, below).
- Building and maintaining Linux systems on several desktops, laptops, and servers.
- Operating an IRC channel on the DALnet IRC network.
- Developing IRC bots in Tcl (Eggdrop scripts), Perl, and other languages.
- Assisting friends and others with setup and administration of their Linux systems.
- Contributing small bug-fixes and patches to PHP, mutt, and rsync.
- Hosting a mirror of the Tor Project website at tor.eprci.net.
- Currently testing Let's Encrypt (letsencrypt.org) SSL certificates on a Gentoo server, moving all websites over to HTTPS.

Work Experience

EPRCI

www.eprci.com, www.eprci.net

Manchester, NH

2007-08/*present*

A small web-hosting, IT consulting, and web development business that I started after moving to New Hampshire. I am responsible for all aspects of the business, including setting up customer accounts, administering the server and all software, monitoring system logs, and applying daily security patches and updates. The IT consulting primarily consists of remote system administration for clients' servers and networks, and security consulting. The web development mostly entails setting up and administering Drupal websites for clients (typically also web-hosting customers), and designing custom Drupal themes for them.

Harvard Law School — Information Technology Services

www.law.harvard.edu

Cambridge, MA

2005-11/2008-02

Applications developer. Designed and developed web applications and back-end scripts, *e.g.,* a set of tools to automate posting of media files to course websites, and a "yearbook" application for faculty & staff. Performed administrative tasks, including management of user accounts (SFTP, LDAP, email) and other typical sysadmin duties. Provided third-tier tech support.

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Work Experience *(cont'd)*

Harvard University Division of Continuing Education — Communications & Marketing Cambridge, MA

www.dce.harvard.edu 2005-08/2005-11

> **Web design assistant.** Designed and developed website, formatted and laid out site content, edited and retouched photographs for posting to the website. *(Temporary, while HLS ITS office was reorganized.)*

Harvard Law School — Information Technology Services Cambridge, MA

www.law.harvard.edu 2000-06/2005-08

> **Web co-op.** Designed and coded web applications and back-end scripts, *e.g.,* Perl & PHP libraries for authentication and database integration, and scripts to manage user account creation. Performed administrative tasks, including management of user accounts (SFTP, LDAP, email), synchronization of web content from staging to production server, and other typical system administration duties. Provided third-tier tech support.

Northeastern University — Human Services Department *(work study)* Boston, MA

www.humanservices.neu.edu 1999/2000

> **Web administrative assistant.** Gathered information from faculty & staff, designed and developed department website, performed data entry and other administrative tasks.

Volunteerism

Canaan Lions Club Canaan, NH

www.canaanlionsclub.org 2011-02/*present*

> **Member** since 2011. Served as 2^d Vice President, 2012; Vice President, 2013; **President**, 2014.
> **Webmaster** since 2012. Administered race-scoring software and hardware for the Canaan Motocross, a charitable fund-raiser held by the Lions Club, during the 2012, 2013, and 2014 seasons. Currently developing a new, modern website for the club using Drupal, which can be previewed at canaanlionsclub.eprci.com.

Citizens for Criminal Justice Reform · New Hampshire Concord, NH

www.ccjrnh.org 2011-01/*present*

> **Secretary, Board of Directors.** Attend all Board meetings, take minutes, maintain organization's official records.
> **Legislative Policy Committee member.** Assist organization in reviewing pending legislation at the N.H. State House.
> **Webmaster.** Develop and administer website and other IT assets.

New Hampshire Liberty Alliance Manchester, NH

www.nhliberty.org 2008-10/2010-09 & 2012-12/2014-11

> **Director of Research, Board of Directors.** Elected by membership. Maintained Bill Review software; prepared weekly Gold Standard reports and yearly Report Cards; administered website, forum, and related online presence and IT assets; performed general research for members on legislation, existing laws, and state representatives and senators.
> **IT Committee member.** Administer website and other IT assets. Develop and maintain several projects 2007/*present*
> including the Bill Review software and scripts to download bill text from state website. Currently **IT Committee Chairman.**

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Public Office

Trustee of the Trust Funds *(three-member board)*　　　　Grafton, NH

Elected. The Trustees manage and prudently invest private trust funds for the town library, cemeteries, and 2012/2015
medical fund, and town capital reserve funds (tax monies). My duties additionally included taking the minutes at all meetings.

Planning Board Alternate *(five-member board)*　　　　Grafton, NH

Appointed. The Planning Board primarily oversees subdivisions and lot mergers for the town. As an Alternate I 2011/2015
would join the Board when needed to make a quorum. In 2014/2015, I was also the official minute-taker.

Education

*My IT knowledge and skills are almost entirely self-taught, starting in the early 1990s on an Apple][e using
AppleSoft BASIC, developing my first website in 1996 on a Macintosh, working with Unix/Linux at
Harvard University from 2000 to 2008, and most recently running my own small IT business starting in 2007.*

OSHA 10-Hour Construction Safety & Health Course　　　　Warwick, RI

Safety certification for access to construction sites. 2015-11-02/2015-11-03
Including safety certifications in confined spaces, aerial/scissor lifts, scaffold safety, and ladder safety.

Learning Tree International　　　　Burlington, MA

www.learningtree.com 2006-05-23/2006-05-26
Course in IT project management, *Project management: Skills for success.*

Northeastern University — College of Computer Science　　　　Boston, MA

www.ccs.neu.edu 1999-09/2002-12
Candidate for B.S. in computer science.
Related courses: Fundamentals of Computer Science, Algorithms & Data Structures, Computer Science Overview, Honors
Seminar I & II, Object-Oriented Design, Computer Organization, Theory of Computation, Software Development, Discrete
Mathematics, Calculus I–III, Probability. *GPA:* 3.63/4.00

Dighton–Rehoboth Regional High School　　　　Rehoboth, MA

www.drregional.org *class of* 1999
Related courses: TrueBASIC (2 semesters) and C^{++}; Advanced Placement Calculus, Chemistry, and History; Honors Physics.
Honors: National Honor Society, 1998, 1999; Superior Academic Award, 1995, 1996, 1997, 1998; Outstanding Academic Award,
1999; National Junior Classics League Latin Exam, *summa cum laude,* 1998, *cum laude,* 1999.
Activities: Robotics Team, U.S.F.I.R.S.T. Competition, 1997, 1998, 1999; Latin Club, 1997, 1998, 1999; Math Team, 1998.

REFERENCES CAN BE FURNISHED UPON REQUEST

A current résumé can be found at https://www.JeremyJOlson.com/resume. Last modified 2016-05-13.