

Daniel J. Pearson

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Skills

Computer Programming

Proficient in the following programming languages (in approximate order of preference): Ruby, Python, JavaScript, Perl, Unix Shell Script, PHP, C, Java, and C++. Possessing mastery in object-oriented, functional, metaprogramming, and generic programming paradigms.

Implementation of Web Designs

Able to translate any visual design mock-up into working HTML, CSS, and JavaScript, with all code adhering strictly to W3C standards and other relevant standards, including graceful degradation in limited browsers and work-arounds for Internet Explorer's failure to conform to Web standards. Able to implement interactivity and animation with JavaScript. Able to implement simple animations with Flash.

Unix System Administration

Fifteen years of experience with installation, administration, maintenance, customization, and integration of systems running Linux on private locally networked environments with some Windows-based nodes. Also experienced with Mac OS X, OpenBSD, and FreeBSD. Capable of network and kernel configuration and management of services including HTTP, SSH, SFTP, SMTP, DHCP, DNS, NFS, SMB/CIFS, and NAT/packet-filtering (firewalling).

Languages

Mother tongue proficiency with English; superior aptitude in written composition and editing. Casual competency in conversational Hebrew.

Recent Work Experience

Technical Consultant

Company: Wildberry

Web Site: <http://wildberry-design.com/>

Employment Type: Founding Partner

Period of Employment: Jul 2009 – Present

Co-founder of Wildberry, a consultancy specializing in Web design and Web development. Responsible for all work involving computer software technology. Clients include pingpongarts.org, gloriana-ensemble.com, gruss.org.il, and shlomoyeshiva.org.

Content Editor

Company: Geeknet, Inc.

Web Site: <http://geek.net/>

Employment Type: Independent Contractor

Period of Employment: Aug 1999 – Aug 2012

Performed content administration for freecode.com, the world's most prominent directory for open-source and commercial Unix software. This work entailed editing user-submitted software descriptions and release announcements for style, spelling, grammar, and factual correctness. It also involved providing customer relations and technical support to the Web site's users.

Education

Bachelor of Science in Computer Science

Graduated August 2001 from the University of Maryland Baltimore County (www.umbc.edu). Course work included training in algorithm analysis and design, programming language theory, data structures, Unix system administration, operating system internals, information retrieval, scripting languages, design patterns, computer graphics, computer networks, probability and statistics, multivariable calculus, discrete mathematics, linear algebra, chemistry, and physics.

Projects

Application Programmer

Web Site: <http://nanoo.org/moosic/>

Period of Activity: Mar 2001 – Jul 2007

Designed and implemented Moosic, a network-enabled, multi-threaded, client/server music jukebox system with a scriptable command-line interface and an API for creating new clients. This API is based on XML-RPC, making it system-independent and language-independent. Managed and maintained this software as a successful open-source project, with users and contributors from all around the world. Authored extensive documentation of both the user interface and the programmer interface.

UMBC-LUG President

Web Site: <http://lug.umbc.edu/>

Period of Activity: Sep 1997 – Jan 2001

Served as president for UMBC-LUG, the Linux Users Group of the University of Maryland Baltimore County. Arranged weekly meetings and occasional guest speakers. Presented speeches on topics of interest at meetings. Provided installation and trouble-shooting support for hundreds of new Linux users through an email forum and in person.

References

Justin Alexander

Collaborator in short-term project involving system and email service administration for 2pad.com.

Phone: 054-300-8638 (Israel)

Email: thelonecabbage@gmail.com

Jeff Covey

Senior editor of freecode.com.

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