

R. Eric Wheeler

Developer / Systems

My name is Eric Wheeler.

I enjoy programming, working on computer hardware/electronics, music and gardening. My computer experience dates back to the Apple II/e. I enjoy learning in general, although my focus is mainly on new technologies. I have excellent problem solving skills, I adapt well to new things, and learn very quickly.

Contact

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Web

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<https://twitter.com/sikofitt>



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Skills

Web Development / Design (Back end)

NPM, Bower, GruntJS, Let's Encrypt, MySQL, PostgreSQL, JSON, XML, Apache 2.2/2.4, Nginx, Pound web proxy, Deployment (Heroku, Dokku), Virtualization (Virtualbox / VMWare, Vagrant)

Web Development / Design (Front end)

HTML 4/5, CSS 2/3, Javascript, jQuery, Bootstrap 2/3, UIKit, The GNU Image Manipulation Program (G.I.M.P.)

PHP

PHP 5.3-5.6 / 7, Composer, Symfony 2 / 3, Silex 1 / 2, Slim 2 / 3, Doctrine

General Programing

OOP, Turbo Pascal / Free Pascal, Python, C++, C, Perl

System Administration

Linux (Gentoo, Centos/Red Hat/Debian/Ubuntu), Mac OS/X, Solaris 10/11, Windows XP / 7 / 8 / 8.1 / 10 / 2000 / 2003, Bash, ZSH, Penguin Computing Scyld ClusterWare HPC (High Performance Computing), Source Code Building (auto-tools, auto-make, auto-conf), MS-DOS 5-7 / FreeDOS, FTP, SFTP/SSH, Log debugging, Network debugging

Experience

Stanford University

Department of Electrical Engineering

Developer / System Administrator

May, 2007 - Current (~ 10 years)

I have done many different things during my employment at Stanford University. A few things have been : Frontend and backend Web Development/Design using a number of different technologies, General programing/debugging, Desktop Support and Computer cluster administration for the National Science Foundation (NSF) and National Nanotechnology Infrastructure Network (NNIN) using Scyld Clusterware.

Highlights

Repaired and Maintained a 64 node research computing cluster for the National Nanotechnology Infrastructure Network ([NNIN](#)) funded by the National Science Foundation ([NSF](#)).

Converted Electrical Engineering's static web site to Drupal 7.

Created many Drupal 7 modules for the Electrical Engineering website including a custom events, lecture and committee minutes content type, a CDN (*Content Delivery Network*) module for uploading and receiving images/videos/documents, an Organization list module for displaying Faculty, Students, and Staff from a custom API.

Created a custom Drupal 7 site for the SystemX (*a branding change from Center for Integrated Systems*) organization with integrated login for affiliates as well as Stanford staff.

Searchathlon

Web Developer / Linux System Administrator

Jan, 2005 - Jan, 2007 (~ 2 years)

Searchathlon was a search startup for media. My main duties were administrating a Linux server running Fedora core 3 and web maintenance/development using Apache. Other duties included managing Apache and IIS web servers on a Windows 2000 setup.

Highlights

Created a working Apache/ Microsoft ASP (Active Server Pages) setup on Fedora Core Linux version 3 using a CGI (Common Gateway Interface) setup.

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