

**Credit Card Processing mockup [2008]**  
HTML, CSS, Photoshop  
Graphic design mockup for a credit card processing page

**Personal Site Front Page [2007] || HTML, CSS**  
Front page of my personal website, serving as a placeholder.

**Blog Manager [2007] || PHP, HTML, CSS, SQL 2000**

Blog management suite to allow multiple bloggers per system, administration based approval & denial of comments, category tagging of blog posts and blogger profiles.

**Xerox Portal Survey Maker [2007] || C# ASP.Net, HTML, JavaScript, CSS, SQL 2005**

Customers could create surveys and every question type imaginable; true/false, multiple choice, answer matrixes, multiple checkbox with the ability to require a minimum and/or maximum number of answers. The application digested MS Active Directory to handle single sign-on and when a user finished a survey (they could stop and continue at any point in the future) they would not able to submit a second survey (unless the survey creator explicitly allowed this). Surveys were used in tandem with help desk tickets so end users could grade help desk performance along with random survey creation for inner company use.

**Xerox Portal Services [2007] || C# ASP.Net, JavaScript, CSS, SQL 2005**

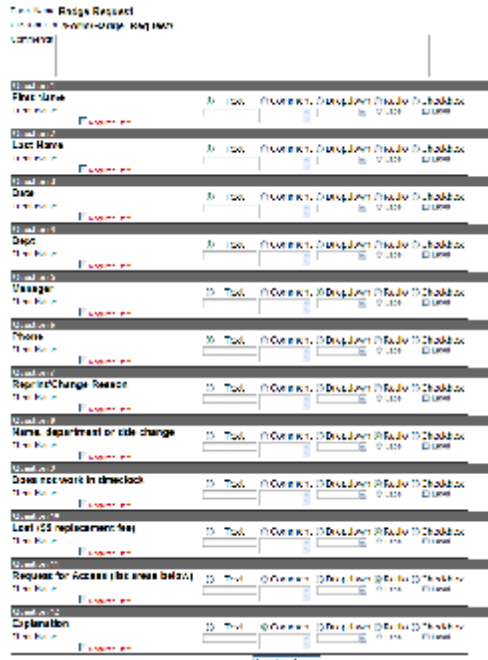
XPS was a content management system that served as a welcome mat for various Xerox services. It supported various themes and allowed for customer created themes so that a company could duplicate it's current Intranet look and feel or simply to mimic's a company's colors. It allowed the posting of news, building of surveys, and links to the various services depending on what package was purchased but focused mostly on help desk ticket management, printer & hardware management, and inventory control. Customers would create their portal using web drag-n-drop of web controls very similar to MS Sharepoint.

**Language Translation Analysis [2007] || C# Windows Application**

A Windows utility that analyzes C# code and language resource files so that language translation could be cleaned up. The problem Xerox was running into was that translation keys in the language files, once created, could live on forever even if they were no longer used. The other problem was that sometimes a language key would be put into the application and never created in the language files. This application solved both problems by analyzing the C# code and logging every language key and checking if it exists in the language file, and if not would alert the user that there were invalid language place holders so that word placeholders wouldn't exist within the application. And when it would come across language keys that were not being used anywhere, the user would be alerted so they could use our language manager and remove those keys from out application, making the application more optimized.

## Online Form Maker [2006] || HTML, CSS, ASP, SQL 2000

Using an admin interface, power users could create their own web forms where end users could submit data that the manager could approve, and use thus preventing me from being a bottleneck in getting new fill able & manageable forms onto the Intranet.



## Key & Lock Request

Use the form to request a new key or lock replacement.

Form fields for a Key & Lock Request:

- First Name:
- Last Name:
- Date:
- Dept:
- Manager:
- Building:
- Floor:
- Area:
- Explanation:

Submit this Form

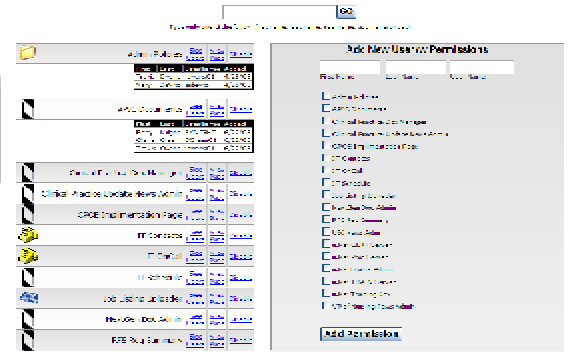
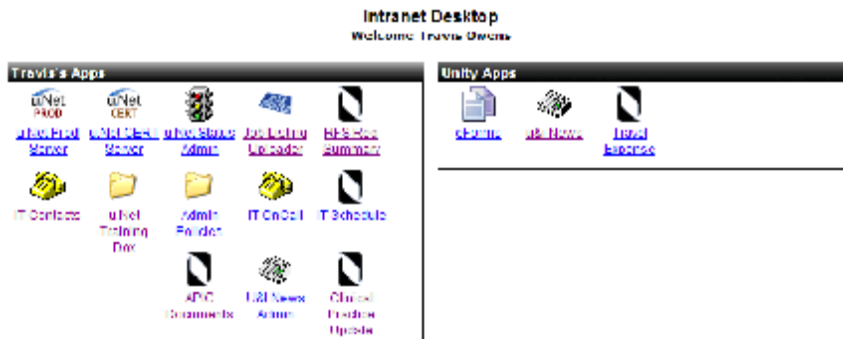
## Form Builder

[Add New Form >>](#)

Date	Name	Tools
11/01/06	IT Request for Service	Modify View Manager
11/01/06	Report Specification Requirements	Modify View Manager
10/18/06	Display Ad Request Form	Modify View Manager
09/26/06	Key & Lock Request	Modify View Manager
09/26/06	Badge Request	Modify View Manager

## Intranet based Desktop [2006] || HTML, CSS, ASP, SQL 2000

Desktop style environment on a webpage to give links to applications, web services and file shares all based up their Windows login, no separate login is required for users (aka single sign on scenario) with web based administration.



## Digitize Memories Website [2006] || HTML, CSS, Photoshop

Created a website design for a photo & video digitizing company to advertise their services.





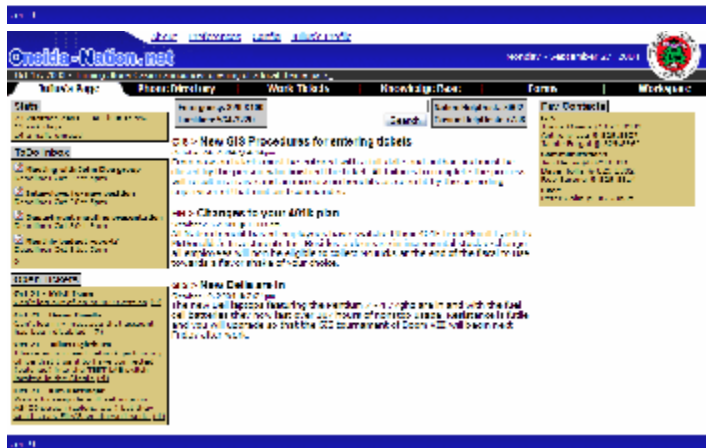
A re-usable search bar was created that allowed multiple search types, being: search the company phone directory (411), search the Intranet (website) or search the yellow pages (Google Local). The search is intelligent and will properly handle any realistic search such as: phone numbers, names, addresses and locations.

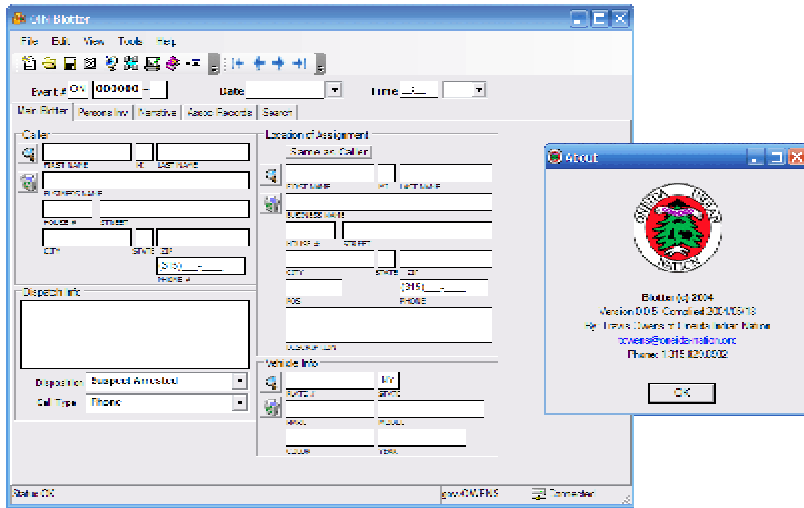


I created many PDF forms that could be filled out online and then manually printed & sent off to the proper department which made a reduction in paper usage as forms didn't have to be pre-printed, instead they were printed on demand and being filled in online allowed for more improved readability.

### Company Intranet Prototype [2004] || C# ASP.Net 1.1 , Microsoft SQL Server 2000, XML

Developed a prototype in 6 weeks that would work with Active Directory for employees for a login free environment, display custom pages according to who you were in the company, organize news, personal pages where users can manage files & links, created a searchable employee directory.





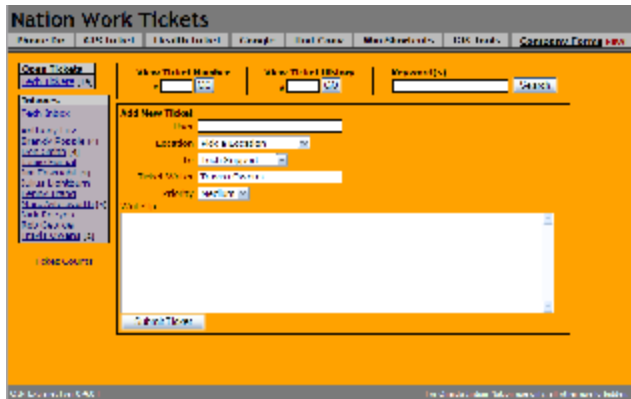
### Police Incident Logging, Dispatch & Investigation [2004]

|| Win Form C#.Net, MS-SQL 2000, XML

I began developing an application, modeled after a current solution known as Impact, which would log & dispatch Police officers to calls. Calling incidents could be imported into investigations if needed. The system would support a connectionless environment so that it would work over cell connections. If work was performed while disconnected, it would seamlessly update to the server upon reconnection. This would also take into account power off scenarios as data would be saved to an XML dataset to the hard drive, not stored in ram.

### Work Ticket System (aka Help Desk Application) [2002] || HTML, CSS, PHP, MySQL

Wrote a work ticket app which allows phone operators to take help desk calls, write up a ticket and address the ticket to a specific user or group. Tickets have a history and log every action taken so that it can be tracked by managers or the person with the problem. Tickets can also be created by workers and sent to fellow workers. Reports can be generated to compare who creates the most tickets and who fixes the most problems.



Phone ID	CBS Ticket	Health Ticket	College	Unit Code	Who Started	CBS Tools	Emergency Contact	Priority	Category
100001	1000	1000	1000	1000	1000	1000	1000	1000	1000
100002	1000	1000	1000	1000	1000	1000	1000	1000	1000
100003	1000	1000	1000	1000	1000	1000	1000	1000	1000
100004	1000	1000	1000	1000	1000	1000	1000	1000	1000
100005	1000	1000	1000	1000	1000	1000	1000	1000	1000
100006	1000	1000	1000	1000	1000	1000	1000	1000	1000
100007	1000	1000	1000	1000	1000	1000	1000	1000	1000
100008	1000	1000	1000	1000	1000	1000	1000	1000	1000
100009	1000	1000	1000	1000	1000	1000	1000	1000	1000
100010	1000	1000	1000	1000	1000	1000	1000	1000	1000
100011	1000	1000	1000	1000	1000	1000	1000	1000	1000
100012	1000	1000	1000	1000	1000	1000	1000	1000	1000
100013	1000	1000	1000	1000	1000	1000	1000	1000	1000
100014	1000	1000	1000	1000	1000	1000	1000	1000	1000
100015	1000	1000	1000	1000	1000	1000	1000	1000	1000
100016	1000	1000	1000	1000	1000	1000	1000	1000	1000
100017	1000	1000	1000	1000	1000	1000	1000	1000	1000
100018	1000	1000	1000	1000	1000	1000	1000	1000	1000
100019	1000	1000	1000	1000	1000	1000	1000	1000	1000
100020	1000	1000	1000	1000	1000	1000	1000	1000	1000

### Reverse Auction [2002] || HTML, CSS, PHP, MySQL

A secure auction site where Purchasing can post auctions for vendors to bid on: items, supplies or services. These vendors are pre-approved on a per category basis and are given specific logins for each employee. Auctions are filtered by categories so different vendors see different auctions to prevent vendors from bidding on auctions that do not pertain to their business.

## Enterprise Phone Directory [2001] || HTML, CSS, PHP, MySQL

I wrote a user updateable phone directory that contained all enterprise phone numbers which has a Yahoo like front page to allow quick listing of departments and categories such as all fax machines or all receptionists. The directory allows multiple phones per person and multiple people per phone.



## Online Newspaper App [2001] || PHP & MySQL || <http://www.IndianCountry.com>

**Please note:** The site has been rewritten since my version

Supported the posting of news via a web based administration tool. Articles could have multiple pictures, each photo with it's own caption & photographer data. Featured an editorial cartoon section with archive. Each article's author name was clickable to page with the author's bio and list of all articles on the site written by that author. Feature an author gallery with hand drawn headshots that linked to their bio pages.

All display was template based, with the ability to support sub templates so each section could have a different tool.

Search results used a rich search style that provide custom search results according to the keywords, if a date was typed, all articles around that time were listed, if an author name was typed all article about & by that author were listed and any predetermined keywords would provide links to articles & websites. Supported alternative devices like Web TV and Pocket PC.



## Press Release Posting Application || PHP & MySQL

The Oneida Nation decided that they were going to start releasing all their press releases on the web. Instead of using the traditional method of simply converting the press releases to a HTML page I decided the best solutions was to write a web app to allow the reporter to log into an admin page, paste in their title, related images, a time for the article to begin appearing and a time for the article to disappear. This way the nation's communications department could handle all of their press releases posted on the websites without any knowledge of HTML or help from the web design department.

The Application was written in Perl and used a flat file system. This application was duplicated onto sites different sites owned by the nation for use by different divisions and audiences.

## Documentation of IT Systems for Turning Stone Casino [1998]

I wrote over 300 procedures on specific problems and steps for all the computer systems of the casino. This was a self initiated project that is now an official part of the casino's IS&T team infrastructure. The systems I helped administrate and document were: Novell, OS/400 on IBM AS/400, WinNT, Win95, Win3.1, VOS on Stratus, Sco Unix, AIX on IBM RS/600, many proprietary systems and well as a diverse amount of x86 servers.

## Web based port scanner [1999] || Perl/CGI

Coded a web based port scanner in Perl so that technicians could perform a quick check on machines to make they are closed from various security holes.

Talent Directory [2001] || Four Directions Talent Search/OIN || <http://FourDirectionsTalent.com>

**Please note:** *The site has been redesigned since my initial version.*

We needed to be able to accept applications from people so they could apply to our talent search vision, which was created through the Oneida Nation and PSNBC (a division of NBC). Limited help was also provided by our webhost Cervalis and IBM. I create a small app so that users would fill in the form and their entry would go to a database for storage where the appropriate people could view, sort and delete entries for use in the upcoming events.

Job Managing & Listing App [1999] || PHP & MySQL || <http://TurningStone.com/jobs/>

I developed an app to sort job listings by department or date. The application was architected to support multiple companies in the same job database so multiple sites could use the same app & database server.

## Articles, Papers & Case Studies

PHP Function Benchmarking [Case Study 2001]

I performed benchmarking on various regular expression functions (aka regex) along with the common print vs. echo functions to prove to disprove common myths about PHP speed of various methods. These benchmarks lead to multiple changes in the official PHP manual.

CSS Tag Support [Case Study, 2000]

The major CSS tags were tested in multiple browsers to discover the true support ability of various browsers before our sites were updated to CSS.

CSS Font Types [Case Study, 1999]

Rendered all font sizes defined by CSS for PT and PX point sizes under IE5 and NS4 so that the true differences can be known between these common browsers and so that consistency can be maintained on websites.

CSS Font Types [Case Study, 2006]

Decided to revisit a project I did 7yrs ago. In order to fully embrace CSS and be more flexible to a web surfer's built in settings. I began switching to relative font fonts so I tested each standard font size against the relative size to create a lookup chart to speed web designing.

RSS/XML Job Feed || Turning Stone Casino || decommissioned

RSS news feed for our newspaper of our news articles via XML: RDF: RSS using my proposed RSS:Job format

RSS/XML News Feed || Indian Country Today newspaper

RSS news feed for our newspaper of news articles via XML: RDF: RSS.

RSS/XML Job Module Proposal || <http://PerpetualHypeMachine.com/articles/rss-module-job.html>

Wrote a proposal, infinitely awaiting approval, for RSS feeding of jobs and their metadata via XML:RDF:RSS.

MySQL Benchmarking [Case Study 2001] || [http://PerpetualHypeMachine.com/articles/MySQL\\_Optimization.html](http://PerpetualHypeMachine.com/articles/MySQL_Optimization.html)

Performed benchmark testing on various SQL queries within MySQL to see how different data types, specifically timestamp related data types, affect SELECT performance. These results were typed into a case study (currently in a draft state) paper and was handed out various MySQL users around the net to dispel common myths and misconceptions.

RSS/XML 1.0 Tutorial || <http://PerpetualHypeMachine.com/articles/rdf-rss-3orless.html>

I wrote a short "3 minutes or less" tutorial that explains how to use RSS 1.0 to programmers.

RSS .91 Tutorial || <http://PerpetualHypeMachine.com/articles/rss-3orless.html>

I wrote a short "3 minutes or less" tutorial that explains how to use RSS .91 to programmers.

FixedSys Font || <http://www.fixedsys.org/>

I ported the Fixed Sys bitmap font to a scalable True Type Font (TTF).

XHTML Tutorial || <http://PerpetualHypeMachine.com/articles/why-xhtml.html>

I wrote a short "3 minutes or less" tutorial that explains XHTML and why it's useful.

Cross Browser Compatibility || <http://PerpetualHypeMachine.com/articles/browser-compatibility.html>

Explains tricks to make common CSS and IE visuals styles work in NS4.