

Employment

Programmer / Technology Manager
WhiteSpace Creative, Inc.

September 2018 to November, 2019
Akron, Ohio

- Developed and maintained customer websites utilizing multiple CMS and server architectures.
- Managed development projects utilizing inside resources and outside contractors (programming and IT services).
- IT support and engineering including workstation (Mac and Windows) and server (Mac, Windows and Linux, local and VPS) maintenance and support.
- Maintained company website.

Digital Interface Developer
Consolidated Solutions, Inc.

June 2014 to August 2018
Cleveland, Ohio

- Maintained CMS based company website and photo gallery.
- Specified hardware and software for non-rectangular video wall installations.
- Sales Engineering backup for digital signage solutions for numerous customers.
- Design, development, construction coordination and installation of custom rear projection video installations including a interactive virtual-dunk-tank, memorial display for Transplant-Games and person shaped trade show displays. (Trelleborg, Binary Defense, Hightower Petroleum)
- Development of custom display hardware (Raspberry Pi based) for "escape room" timing and participant communication. Consulted with same organization on room plot ideas and interactive electronic devices to be included in the puzzle elements.
- Manage visual design, user access and product catalog for multiple digital storefronts.
- Assist in workflow for variable data construction of customer jobs and online print-on-demand storefronts. (XMPie, FusionPro and Presswise)
- General IT support and engineering including workstation (Mac and Windows) and server (Mac, Windows and Linux) maintenance and support.

Online Interface Developer
Digital Color International

June 2010 to May 2014
Akron, Ohio

- Developed, designed, coordinated vendors and installed DCI's DMD (digital media display) systems. These utilized full size, person shaped plexiglass rear projection screens housed in a custom cabinet. They used 3M's Vikuiti, Epson digital projectors and BrightSign video controllers. They were used in numerous trade show and point of sale installations.
- Develop and maintain company website, blog, and several additional sister company and customer websites. The sites are mostly based on Drupal and WordPress. All sites utilize custom themes and most have mobile versions.
- Manage digital storefront (EFI's DSF and Tecra AccuConnect) to facilitate print-on-demand, web-to-print and finished goods ordering functions for a number of clients including Hercules Tires, Macy's and Trelleborg.
- Assisted in workflow for variable data printing system (Xerox XMPie) to drive digital press (Xerox iGen 3) to produce customized documents. Also developed and maintained various pURL (personalized URL) websites related to variable data print runs.

- Created QR Code management system (dcidr.com) to allow our company and our customers to create and track QR code usage. The system provides hit statistics, scan locations, URL redirection and microsite hosting. This system was coded from scratch utilizing the LAMP stack and the CakePHP MVC framework.
- Assisted in general IT support and engineering including workstation (Mac and Windows) and server (Mac, Windows and Linux) maintenance and support.

Programmer/IT Manager

Lunar Cow Design, LLC.

June 2008 to May 2010

Akron, Ohio

- Lead web developer for numerous client sites, most notably International Marine Animal Trainer's Association (imata.org), DolphinQuest (dolphinquest.com) and Oceans of Fun (oceansoffun.org).
- Revised and extended proprietary CMS engine for use with client websites. Written in PHP/MySQL and utilizing jQuery, SWFObject and various other JavaScript libraries. It featured a plugin architecture that included a calendar, file upload, and home page 'stacker' management.
- Developed numerous Flash CS3 website elements. Specialized in interfacing these Flash movies with PHP interfaces to MySQL databases. Also created a number of Flash based games including random name generators with Facebook variants and educational quiz games focusing on marine mammal identification and trivia.
- Developed internal CRM utilizing a MVC (CakePHP) framework that tracked customers, contacts, leads, invoices, projects and sales.
- Designed and developed guest reservation and merchandise shopping cart for Oceans of Fun (oceansoffun.org) again utilizing a MVC (CakePHP) framework.
- Managed various contract developers who contributed to a number of customer projects.
- Maintained internal network, internal Windows 2000 file server and two public CentOS/RHEL LAMP stack (Linux/Apache/MySQL/PHP) servers.
- Maintained Mac and Windows (XP and Win7) workstations.

Technical Director

Trendesign, L.L.C.

October 2003 to June 2008

Akron, Ohio

- Lead web developer for numerous client sites, most notably Chuck E. Cheese (chuckecheese.com).
- Specified, implemented, customized and maintained online e-commerce site for Chuck E. Cheese to sell gift cards, children's toys and apparel.
- Developed several CakePHP/MySQL based sites to manage various data sets including membership tracking and payments; send-a-coupon-to-a-friend system; ad-placement and marketing information.
- Develop advanced Flash/ActionScript projects which integrate Flash with PHP & MySQL.
- Created numerous Flash based arcade style games.
- Work closely with Art Director on all projects to convert Freehand and Photoshop artwork to interactive Flash animations and HTML/CSS websites.
- Maintain in office network, file servers (Mac OS X) and web servers (Mac OS X, Linux, Plesk).

Interface Developer, Web Developer
Telantis Research Inc., NeTeam International

October 2001 to June 2003
Akron, Ohio

- Development of PHP/web based configuration system for web enabled VoIP phone system running Linux and VXworks.
- Integration of multiple open source PHP systems to create cohesive interface and function.
- Design and creation of graphics and interface elements for use in configuration system and general device interface.
- Management of Linux based systems including user administration, network configuration, and MySQL database management.
- Development and maintenance of corporate website.
- Backup support of corporate network and IP phone system including wired and wireless connections.

Adjunct Faculty University Instructor
The University of Akron, College of Education & College of Art

July 1998 to June 2007
Akron, Ohio

- **Advanced Multimedia** - Developed and taught graduate level College of Education course in multimedia design and development utilizing Macromedia Flash and Director.
- **Interactive Multimedia** - Developed and taught undergraduate level course for College of Art in multimedia design and development utilizing Macromedia Director.
- **Introduction to Visual Literacy** - Developed and taught workshop to introduce College of Education students to basic graphic design principles.
- **HTML For the Web** - Developed and taught workshop in website design, maintenance and HTML coding.
- **Introduction to the Web** - Developed and taught workshop to introduce students to web page creation with hand coded HTML.

Self-Employed
Saturday!

Full time May 1997 to October 2001
Akron, Ohio

- Developed and manage web-based art show registration and jurying system. (ojs.biz)
- Custom multimedia development of CD ROMs and Internet games using Macromedia Director and Shockwave.
- Onsite training of HTML, Website design and multimedia development.
- CGI scripting and database interface with PHP, Perl and MySQL.
- Website design and HTML coding.
- Managed all facets of business, including A/R, A/P, networking, quoting, sales and workload prioritizing.
- Performed subcontractor work for significant clients including: Chuck E. Cheese, Goodyear Tire and Rubber, Westfield Insurance and Hitchcock, Fleming and Associates.

Graduate Assistantship, Instructional Resource Center
Kent State University, College of Education

January 1996 to May 1997
Kent, Ohio

- Research and development of new technologies for use in computer labs.
- Upgrade and maintenance of multimedia oriented Macintosh and PC systems in computer lab.
- Implementation and maintenance of Macintosh based web server with live video feed.
- Provide education and technical support for faculty and staff of the College of Education.

Education

Masters of Education in Instructional Technology
Kent State University

January 1996 to May 1997
Kent, Ohio

Bachelor of Science in Electronic Technology
The University of Akron

September 1985 to December 1987
Akron, Ohio

Associate of Applied Science in Electronic Technology
Stark State University

September 1983 to May 1985
Canton, Ohio

Special Skills and Interests:

- Active interest in IoT, micro-controllers (Raspberry Pi, Arduino, etc.) and electronics used in robotics and home automation.
- Seven years amateur and one year professional experience in theater lighting and stage craft.
- Active with the Boy Scouts of America for over thirty years. (WoodBadge 2015)
- Personally completed a frame-up restoration of a 1981 Jeep CJ-7.