

Dan L. Berlyoung

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Multimedia / Internet Developer

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Uniontown, Ohio 44685
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Employment

Programmer/IT Manager

Lunar Cow Design, LLC.

June 2008 to Present

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 web sites. Written in PHP/MySQL and utilizing jQuery, SWFObject and various other JavaScript libraries. Featuring a plugin architecture that provides among other things, calendar, file upload, and home page 'stacker' management.
- Developed numerous Flash CS3 web site 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 workstations including PowerMac and MacPro design systems, MacBook Pro laptops, and various DELL Windows XP and Windows 7 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 several Mapquest locator systems with PHP utilizing local MySQL data sets to minimize Mapquest costs for the customer.
- 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 web sites.
- Maintain in office network, file servers (Mac OS X) and web servers (Mac OS X, Linux, Plesk).

Employment Continued

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 based systems to create cohesive interface and function.
- Design and creation of prototype labels for various connectors on numerous device enclosures.
- 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 web site.
- Backup support of corporate network and IP phone system including wired and wireless (WiFi) connections.

Self-Employed

Saturday!

Full time May 1997 to October 2001

Akron, Ohio

- Custom multimedia development of CD ROMs and Internet games using Macromedia Director and Shockwave.
- Onsite training of HTML, Web site design and development, Macromedia Director and Adobe GoLive.
- CGI scripting and database interface with PHP, Perl and MySQL.
- Web site design and HTML coding.
- Webcam development and installation.
- Hardware and software consultation and training.
- Managed all facets of business, including A/R, A/P, networking, quoting, sales and workload prioritizing.
- Significant clients include: Chuck E. Cheese, Goodyear Tire and Rubber, Westfield Insurance and Hitchcock Fleming and Associates.

Adjunct Faculty University Instructor

The University of Akron, College of Education & College of Art

July 1998 to Present

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 web site design, maintenance and HTML coding.
- *Introduction to the Web* - Taught workshop to introduce students to web page creation with HTML.

Employment Continued

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.

Senior Multimedia Programmer
Digital Impact, Inc.

December 1994 to December 1995
Tulsa, Oklahoma

- Lead programmer for new product line, Ozzie's Travels, an educational children's game.
- Worked closely with a team of animators, illustrators and graphic artists.
- Logic design and implementation of games and interactive animation using Lingo.
- Maintenance and enhancement of existing product, Ozzie's World.
- Project file management, version tracking and archiving.
- Interface design and prototyping.
- Sound effect creation, digitizing and editing.
- Assembly and creation of one-off CDs and gold masters.
- Arrangement of technical details for localization issues.

Technical Manager
Senior R&D Manager, Interactive Media Division
Publishing Solutions, Inc.

January 1993 to December 1994
May 1990 to January 1993
Akron, Ohio

- Multimedia project organization, management and programming including animation, digital video, laserdisc organization & control and scripting.
- MPEG Encoding, QuickTime compression and CD ROM writing.
- Development of custom "plug-in" software extensions for QuarkXPress and Photoshop.
- Custom database design with 4th Dimension for clients and internal projects.
- Provide hardware service, configuration and support for clients and technical support staff.
- Wiring, maintenance and upgrading of internal phone system and network wiring.
- Network and telecommunication consultation, specification and installation.
- Apple-certified hardware service technician for Macintosh and LaserWriter products.
- Customer and staff training and seminars.

Technical Support Representative
BasiComputer

September 1985 to May 1990
Akron, Ohio

- Provided extensive telephone technical support for Apple and Intel systems.
- Specialized in Macintosh desktop publishing.
- Laid out and published internal newsletters, technical notes and corporate phone directory.
- Assisted in development of call tracking database for technical support department.
- Received training from Apple, Novell, IBM and Hewlett-Packard.
- Performed onsite system setup, software/hardware support and customer training.

Education

Masters of Education in Instructional Technology
Kent State University

January 1996 to May 1997
Kent, Ohio

- Instructional design principles and methods.
- Educational Psychology and Semiotics.
- Research and publication methods and practices.
- Design and implementation of CBI and CBT.

Bachelor of Science in Electronic Technology
The University of Akron

September 1985 to December 1987
Akron, Ohio

- Advanced circuit theory: transient, Fourier, and Laplace analysis.
- Control systems theory and analysis.
- Computer programming with FORTRAN and 8088 assembly language.
- Management principles, concepts and production analysis.

Associate of Applied Science in Electronic Technology
Stark State University

September 1983 to May 1985
Canton, Ohio

- Digital and analog circuit design, construction, and analysis.
- Computer programming with high- and low-level languages (BASIC, Pascal, 8085 assembly language).
- Final Project - Designed and built robot capable of obstacle sensing, speech and movement.

Special Skills and Interests:

- Keen interest in amateur robotics and PIC based micro-controllers (Parallax BASIC Stamp, etc.)
- Actively exploring Ruby on Rails and CakePHP.
- Seven years amateur and one year professional experience in theater lighting and stage craft.
- Twenty years in the Boy Scouts of America.
- Frame up restoration 1981 Jeep CJ-7.
- Held various offices including President of Tiretown 4 Wheelers since 2003 and member since 2001.