

MICHAEL PATRICK MONAN

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- SUMMARY** Highly motivated, creative, and versatile software and website application architect and developer with more than ten years experience in software engineering, user-centered design, information search and retrieval, usability consulting, project and personnel management. A talent for analyzing problems, and finding innovative, robust, and cost-effective solutions. Energetic self-starter with excellent analytical, organization, communication, and creative skills.
- TECHNICAL SKILLS** Perl, PHP, SQL, Javascript, D/HTML, AJAX, C/C++, Content Management Systems (Drupal, Joomla, WordPress), Project Management Tools (FastTrack, OmniPlan), UNIX scripting languages (bourne/csh/bash), UNIX System Administration, UNIX socket programming (limited), ASP (limited), Java (limited), Macromedia Director/Shockwave (limited), AppleScript (limited).
- PROFESSIONAL EXPERIENCE**
- TECHREPRIEVE, LLC** Ann Arbor, Michigan
Owner & Manager 5/05 – Present
- Providing software engineering architecture and development, usability services, and project management for TechReprieve's customers.
 - Responsible for increasing company revenues, and growing client list (currently more than twenty-five) by generating sales leads and cultivating relationships for generating new business.
 - Client list can be found at: <http://www.techreprieve.com>. Portfolio highlights can be found at <http://www.monan.net/portfolio>.
- DIAMOND BULLET DESIGN [DBD]** Ann Arbor, Michigan
Director of Engineering / Senior Project Manager / Senior Usability Engineer 10/98 – 3/05
- Managed a set of projects (customer expectations, timelines and engineering goals) and a team of engineers and graphic designers to complete those projects.
 - Managed, evaluated and trained DBD personnel in internal systems and practices.
 - Secured and maintained system administration of development and production web servers.
 - Provided project management, conceptual design, product development, usability direction, user testing and information architectures for clients including:
- The University of Michigan Business School** (Internal/External Web Site)
Responsibilities: project and team management, user testing, system design, system migration plan and implementation, deployment and training.
Case Study and White Paper: <http://www.diamondbullet.com/umbs.txl>
Site: <http://www.bus.umich.edu>
- The University of Michigan Alumni Association** (External Web Site)
Responsibilities: project and team management, user testing and interviews, information architecture, system implementation and integration.
Case Study: <http://www.diamondbullet.com/umalumni.txl>
Site: <http://alumni.umich.edu>
- PDTrials.org** (Parkinson's Disease Clinical Trials Website)
Responsibilities: project management, focus groups, user testing, system design and implementation, deployment and training.
Site: <http://www.pdtrials.org>
- Calsonic Kansei NA** (Internal Web Based Project Management Tool)
Responsibilities: full system implementation, design, deployment and training.
Site: If you'd like a demo of this system, please email me at monan@techreprieve.com
- ABC News Store** (ABC News Programs Transcripts eCommerce Clearinghouse)
Responsibilities: project management, system backend design and implementation (complex search and retrieval and eCommerce storefront).
- FullScope** (Web Services Administration Product)
Responsibilities: project and team management, information architecture, user testing, product redesign.
- The State of Michigan Department of Education** (Schools AYP External Web Site)
Responsibilities: project management, system skin implementation.
Site: <http://ayp.mde.state.mi.us/ayp/>
- General Motors Corporation** (Internal Web Based Inventory Locator Tool)
Responsibilities: project management, usability analysis and design of new system.

MICHAEL P. MONAN

PROFESSIONAL EXPERIENCE **GENE CODES CORPORATION** Ann Arbor, Michigan
9/97 - 9/98

- Software Engineer & HCI/Usability Specialist**
- Single-handedly shipped and maintained version 3.1 of Sequencher for the Macintosh, Gene Codes' flagship product.
 - Shipped initial version of Sequencher for Windows (version 4.0), as member of Engineering team.
 - Drove push to make Sequencher more usable, consistent and in line with specific platform interface guidelines, as well as making the engineering process more iterative and user-centered.
 - Initiated and performed usability evaluations on various problem areas of Sequencher, and targeted user-centered plans of attack on those areas.
 - Formulated and documented a general usability engineering strategy for future engineering endeavors.

APPLE COMPUTER - APPLE RESEARCH LABS (InfoAccess Group) Cupertino, California
Macintosh Software Developer 5/96 - 9/96 & 6/97 - 9/97

- Assisted with the design of V-Twin, Apple's text search and retrieval engine used in Mac OS X.
- Designed and developed all aspects of CopyCat, a web-based Information Assistant that uses V-Twin technology.
- Worked with InfoAccess team members to ready V-Twin for the annual TREC competition.
- Initiated a program within Apple to spur the growth of a strong student developer program at the University of Michigan.
- Patent 6,256,622: "Logical Division Of Files Into Multiple Articles For Search And Retrieval".

UNIVERSITY OF MICHIGAN - DIGITAL LIBRARY PROJECT Ann Arbor, Michigan
Advanced User Interface Design Group - Research Assistant 9/96 - 12/98

- Designed and prototyped an implementation of a visually rich paradigm for the extended information gathering and structuring task.
- Created a multiscale interface for managing interactions with large information structures.
- Employed user centered design methodologies to focus on what real users actually need modified for greater innovation.
- Designed and implemented a text search and retrieval engine that users can use to index and access personal collections of resources.
- Designed and implemented a hierarchical indexing scheme that will scale up for very large structured collections.

UNIVERSITY OF MICHIGAN - THE WEATHER UNDERGROUND Ann Arbor, Michigan
Software Developer - (Macintosh) Programmer II 4/93 - 5/96

- Designed and developed all aspects of SurfBoard for the Macintosh, an Internet component arbitrator used to manage various fetch and browse plug-in components.
- Cooperatively worked with other team members on various Macintosh/UNIX software projects.
- Managed small group of programmers, each working on various projects.
- Performed system administration tasks for cluster of 5 UNIX machines.

EDUCATION **UNIVERSITY OF MICHIGAN - Ann Arbor**
Master of Information Science (Human Computer Interaction), August 1997.

UNIVERSITY OF MICHIGAN - Ann Arbor
Bachelor of Science in Engineering (Computer), May 1995.

PATENTS & PUBLICATIONS

- Brinck, T., Ha, S., Pritula, N., Lock, K., Speredelozzi, A., Monan, M. (2003). Making an iImpact: Redesigning a Business School Web Site around Performance Metrics. In DUX 2003: Designing User Experiences, San Francisco, CA, June 2003.
- Patent 6,256,622: Logical Division of Files Into Multiple Articles for Search and Retrieval.

PROFESSIONAL AFFILIATIONS & COMMUNITY LEADERSHIP

- Association for Computing Machinery (SIGCHI, SIGIR member).
- Founding member and former Executive Officer of MOCHI (Michigan Ohio Computer Human Interaction).
- Registered and Licensed (State of Michigan) Paramedic.
- NSCAA/USYSA licensed premier level soccer coach for the Ann Arbor Youth Soccer Association.