

PHILIP B. CADIGAN

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WORK EXPERIENCE

Software Engineer, Lycos Inc., Waltham, MA, July 2007 to February 2009.

Member of an agile web-development team tasked with creating new products utilizing emerging technologies. Participated in multiple phases of the software life cycle, including: brainstorming, requirements gathering, prototyping, development, usability, marketing, and usage analysis.

- Designed and wrote extensive back-end and front-end code for Lycos Cinema, a web application that allows users to synchronously watch videos and chat from within their browser. Worked closely with product management and design to identify and fix usability issues.
- Successfully led programming team in a complete refactor of tens of thousands of lines of back-end code.
- Implemented scalable AJAX front-end for Lycos MIX, a site that allows users to build video playlists.
- Refactored existing scraping scripts for Lycos MIX into an easily extensible API, allowing new video providers to be dropped into place with zero configuration.
- Architected testing framework for Lycos Cinema emphasizing: unit, integration, and automated browser testing.
- Designed and implemented memcached -based caching system for Lycos Cinema, providing service and statistical monitoring, and transparent invalidation mechanisms.
- Interviewed and mentored undergraduate and graduate students in the Lycos Internship Program.
- Participated in training emphasizing: communication, team building, conflict resolution, and innovation.
- Selected lead developer for a complete overhaul of Sparkcast, a desktop and web-based peer-to-peer video client and broadcasting tool.
- Received the runner-up prize in the Lycos Innovation Challenge for 'Bubblr' a collaborative RSS aggregator.

Co-Founder and Lead Developer, PbType LLC, Belmont, MA, April 2005 to May 2007.

Co-created a web-consultancy and development company specializing in standards compliant web development. As co-founder I was intimately involved in all aspects of the business from strategic thinking to procuring office supplies. Primary duties included:

- Led programming on all major projects. Managed programming life cycle, including but not limited to: design, prototyping, development, testing, and implementation.
- Managed and developed client relationships, including: needs assessment, project estimation, updates, acceptance testing, and post-delivery wrap-up.
- Created and coordinated marketing efforts for the company including: press releases, blog, printed materials, and take-aways.
- Coordinated legal negotiations for company including incorporation, intellectual property arrangements, and contracts.
- Designed, planned, and implemented rPapers. rPapers was a Django-based web 2.0 service offering tools to help people share their research.
- Implemented version control system (Subversion) and bug tracking database (Trac) to keep code-base manageable across multiple developers and environments.
- Researched and maintained knowledge of relevant emerging technologies.
- Provided clients with advice and code to enhance search engine rankings.
- Implemented ratified standards and APIs to increase data portability and interoperability.

Journals Internet Marketing Manager, The MIT Press, Cambridge, MA, April 2001 to April 2005.

- Co-managed a high traffic web-catalog receiving 130,000 unique visits per month.
- Led a complete rewrite and redesign of the web-catalog, coordinating a team of freelance designers, programmers, and in-house committees.
- Created and implemented ongoing development projects (e.g., e-mail lists, stats, discounts) to enhance and ensure the quality and currency of our web-catalog.
- Oversaw web-production schedule for 35 journals; including timely and accurate publication of new content, posting sample articles, verifying properly editorial information, and pricing.
- Fostered reader involvement through increased access, e-mail alerts, sample articles, and letters-to-the-editor module.
- Deployed strategies for e-journals. Coordinated with in-house design team, editors, programmers, and customer service on conceptual development, infrastructure, and policy.
- Served as primary contact with electronic publishing vendors, ensured operational efficiency and increased relevancy of services.
- Implemented with IT: hardware upgrades, disaster recovery, and security and network policies.
- Member of the Management Board Task Force for Digital Strategies.
- Recipient of the MIT Press 2001 Award for Efficiency and Cost Savings.

Journals Promotion Coordinator, The MIT Press, Cambridge, MA, August 1999 to April 2001.

Oversaw from start to finish the design, planning, and execution of direct mail campaigns for over 30 journals. Designed advertisements, brochures, and inserts for journals and direct mail promotions.

Membership Coordinator (temporary), WBUR 90.9 FM, Boston, MA, February 1999 to August 1999.

Created database and maintained financial records for over 40,000 donors, assisted volunteers, furnished customer service, copywrote promotional pieces.

TECHNICAL SKILLS

Programming Languages:

Python, PHP, Java, JavaScript, Lisp

Markup Languages:

HTML and CSS, XML

Databases:

PostgreSQL, MySQL, SQLite, SQLServer

Operating Systems:

Windows and *NIX (Mac OS X, FreeBSD, CentOS, Debian)

Selected Software:

Apache, bash, Eclipse, emacs, Flash, lighttpd, jQuery, MapServer, memcached, Perforce, Photoshop, Selenium, Solr, Subversion, Tomcat

Proficient reading and writing of German.

EDUCATION

University of Massachusetts at Amherst. Bachelor of Arts, 2000.

Major: Philosophy Minor: History

ADDITIONAL EDUCATION

Fall 2008: Java for Distributed Computing, Harvard Extension School

Fall 2008: Discrete Math for Computer Science, Harvard Extension School

Fall 2007: Artificial Intelligence (Graduate), Harvard Extension School

Fall 2004: Introduction to the History of Art and Architecture II: Ancient and Medieval Europe, Harvard Extension School

Fall 2002: Technology and the Civil War Era (Graduate), Massachusetts Institute of Technology

August 2002: Administering SQLServer, New Horizons Computer Learning Center

Fall 2001: History of Science (Graduate), Massachusetts Institute of Technology