

C.M. Lubinski

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Hacker with Humble Heart Seeks New Home

Objective: To be at technology's cutting edge, developing applications which positively impact my community

Pertinent Skill Sets:

Programming and Scripting:

Server-Side: PHP, SQL, Python, Java, Scala, Scheme, C/C++, Bash Scripting

Client-Side: Javascript, AJAX/AHAH, JSON, CSS, (X)HTML, XML, RSS, XML-RPC, SOAP, REST

Libraries: PHPUnit, jQuery, Prototype, PEAR/PECL

Frameworks: Drupal, Trac, App Engine, Django, Akka

Styles: Functional, Object-Oriented, Aspect-Oriented, Imperative, Declarative, Actor/Queue-Based

Platforms/Tools:

- Linux (Debian, Ubuntu, Redhat), Mac OS X, Windows
- ViM, Eclipse, Subversion, git, gcc, Unix utils (grep, etc.)
- Apache, Lighttpd, SSL, PostgreSQL, MySQL, cron
- Firefox's Firebug & Web Developer, Chrome's debugger

Communication:

- Perfects projects with tight, feedback-focused cycles
 - Records assignment status/progress through ticketing system
 - Discusses design w/ team, reusing existing infrastructures
 - Assists Trac and Drupal users via mailing-list and IRC
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Relevant Work History:

Web Developer – Network Ninja, Inc. – *Summer '08 – Present*

Legal Server, Object-Oriented PHP+pgSQL+Prototype, >1000 Daily Users, Web-App to Manage Pro Bono Attorneys:

- Designed & developed new modules, e.g. mass, template-driven e-mails and permission-based, customizable UIs
- Enhanced and maintained critical systems with >4000 commits, many improving code **stability and extensibility**
- Followed complete feature cycles: scoping, development, testing, feedback, repeat as needed, pushing weekly
- Implemented an automated, PHPUnit-based **testing regime**; wrote >100 tests, preventing countless bugs
- Wrote a module which sends both case-level and aggregate data to a government agency through a SOAP interface

Additional Projects, Intranet and Community Sites for Ticketing and Documentation:

- Researched, configured, extended, and wrote (where needed) plugins for Trac, a Python ticket management system
- Created a single, Drupal-based CMS for client-facing help documentation; updates pushed to clients via XML-RPC
- Assisted the National Legal Aid & Defender Association to create a Drupal-based community group (>50 daily users)
- Migrated our help system from a home-grown screen-scraping solution to a RESTful Drupal interface

Google's "Summer of Code" Software Engineer – Google, Inc. – *Summer '07*

Debugged and enhanced the ViM text editor with gdb, programming in C; released over a dozen official patches

Technology Consultant Database Developer – Grinnell College IT Services – *Spring '07 – Spring '08*

TCDB, PHP– MySQL, >30 Daily Users, Timekeeping and Administrative Tool for Student Staff:

- Extended and maintained code, creating new features based directly on user and administrative feedback
- Performed server maintenance (via Bash, cron, iptables, etc.) with another developer, preventing malicious access

Technology Consultant – Grinnell College IT Services – *Fall '05 – Spring '08*

Resolved user issues relating to computers and other technology; trained four semester of students to serve similarly

Education:

DePaul University, Chicago, Illinois

Master of Science, Computer Science, Expected 2014

In Progress: Began Spring 2010 with a likely concentration in Software Engineering and/or Theory

Grinnell College, Grinnell, Iowa

Bachelor of Arts, Computer Science with Honors, May 2008

Grinnell Honors: GPA: 3.69; Dean's List; Trustee Honors Scholarship; Chad Zinn Outstanding Helpdesk Award

External Honors: ACM Award of Excellence (for TCDB); High Placement in ACM Contest and Putnam Exam

Relevant Organizations: CS Student Education Policy Committee; ACM Student Member; Problem Solving Seminar

Other Impact: Gave two Department Seminars; Wrote two tutorials still given to students by the faculty; Served as TA

Continuing Education

Informal: Avid reader of technical books (O'Reilly, Apress, etc.); Listens to audio lectures (UC Berkely, MIT, etc.) and educational podcasts; Attends (and presents at) local public lectures and conferences (Flourish, Drupal Camp, etc.)

Organizations: Focusing on Scala, Programming Languages, Python, Drupal, and Web Development

Participation: Presented "Drupal as a Web Service" at Drupal Camp Chicago '09 and on PHP 5.3 in '10

Additional Projects:

NYTGrabber, PHP: tool used in Anthropology research to help analyze use of Arabic words in print media

FromUndo, Scala + Swing: a GUI todo program; Actor-based design; plans to speak with a server via REST

FillMyPod, Python + Django: Google App Engine

podcast mixer, written with Test-Driven Development; parses multiple RSS/ Atom feeds to generate each mix

Jackal, Java + Swing: an intuitive path-finding system; served as lead on a four-person team