

C.M. Lubinski

Humble Hacker

cm.lubinski@gmail.com • 872.333.9262

Chicago, IL 60608

<http://cmlubinski.info>

Pertinent Skill Sets:

Languages: Python, Scala, PHP, SQL, Javascript
Web: AJAX, JSON, RESTful APIs, HTML, CSS
Libs: Django, South, PyParsing, Lift, Jekyll, jQuery
Styles: Functional, OO, Actors, Constraints, Reactive
Tools: ViM, git, subversion, virtualenv, pip, sbt, shell
APIs: OAuth2, FB Connect, Rackspace, Google Maps

OS: Debian, Ubuntu, CentOS, Arch Linux; OS X
DB: Postgresql, Mysql, Mongo, Solr, ElasticSearch, PostGIS

Winning Style:

- Agile methodology: rapid iterations with heavy user input
- Seeks out existing solutions before beginning from scratch
- Bakes in security, stability, and scalability from the start
- Loves to learn from others and share skills on small teams

Relevant Work History:

Backend Developer – Consumer Financial Protection – Winter '12 – Present *eRegs:* [open source](#) regulation parser/display

- Co-wrote a Python parser for regulations: discovers structure, definitions, and citations from messy XML sources
- Helped develop a Django+Backbone-based regulation [viewer](#), heralded as “[user-friendly](#)” and “[magnificent](#)”
- Served with a brilliant team; per-pull-request code reviews; led the bureau in test coverage; frequent design critiques
- Configured and maintained demo and continuous-build environments (CentOS+MySQL+Solr+Apache)
- Co-chair of Transparency group (first tech blog post), heavily involved in Open Source group (CFPB's top committer)

Chief Developer – Toodalu, LLC – Summer '10 – Winter '12 (acquired) *Toodalu:* charity-driven rewards network

- Led the majority of technology decisions, such as application stacks, server security, and communication protocols
- Designed & developed RESTful JSON web services (Scala+Lift) for user-, merchant-, sales-, and admin- facing apps
- Wrote several consumers for these services, including web interfaces (jQuery+CSS+XHTML) and unit tests (Python)
- Integrated multiple third parties, including credit card processors, cloud hosting, social networks, & push notifications
- Configured and maintained all associated servers (Debian+Tomcat+Postgres+MongoDB+Nginx+Wordpress+Solr)

Web Developer – Network Ninja, Inc. – Summer '08 – Summer '10 *Legal Server:* webapp for pro bono attorneys

- Designed and developed (object-oriented PHP) new features while improving existing code, pushing updates weekly
- Coordinated with project managers, kept accurate time estimates, and made decisions based on project priority
- Implemented an automated, PHPUnit-based testing regime; wrote >100 tests, preventing countless bugs
- Researched, configured, extended, and wrote (where needed) plugins for Trac, a Python ticket management system
- Migrated operations from a custom ticketing solution to Trac, greatly improving management efficiency
- Created web services for Legal Server to speak with Trac and a Drupal-based documentation site via XML-RPC

Google's “Summer of Code” Intern – Google, Inc. – Summer '07 *ViM:* open source text-editor of great note

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

App Developer – Grinnell College IT Services – Spring '07 – Spring '08 *TCDB:* timekeeping & admin tool for staff

- Extended and maintained code (PHP + MySQL,) creating new features based directly on user and admin feedback

Education:

DePaul University, Chicago, Illinois

MS, Computer Science (Theory), 2014

GPA 4.00

Relevant Topics: Type Theory, Cryptology, Distributed Systems, Parallel Algorithms, Software Eng., Research Topics

Major Projects: Thesis (Formalized Forensics); distributed MUD (Akka); network play added to a game (XNA)

Grinnell College, Grinnell, Iowa

BA, Computer Science with Honors, May 2008

GPA 3.69

Relevant Topics: Data Structures, Algorithms, Language Design, OS & Parallel Algorithms, Networks, Automata, HCI

Honors: Dean's List; Trustee Honors Scholarship; Chad Zinn Outstanding Helpdesk Award; TA position; two [accepted seminars](#); ACM [Award of Excellence](#); ACM Regional Programming Contest; Putnam Exam

Additional Development

Online Courses: Crypto, Machine Learning, SaaS (Rails), Data Science, Natural Language Proc, AI, Logic and [more](#)

Groups/Confs: ACM, Chicago Area Scala Enthusiasts, Strange Loop, OSCON, Lambda Jam, Philly ETE

Self-Study: With current [books](#), papers, [podcasts](#), [conferences](#), and a tendency to tinker with the latest tech

Points of Pride:

Presentations about [web services](#), [security](#), [static sites](#), and specific tech at conferences, meetups, and work
Papers, including a master's [thesis](#) and [CSF '14](#) paper
Articles about [parsing](#), [constraint programming](#), [ViM](#)
Open Source developer, with patches/plugins to eRegs, ViM, Trac, Dispatch, WordPress, Lift; see [GitHub](#)

Other Projects:

FillMyPod, a Python podcast mixer

Newslearning, a Scala NLP and Machine Learning utility for classification techniques with news articles (OpenShift)

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

Vanity, my Nanoc (Ruby)-based static, personal website