summary

Gregg Lind

Entrepreneur, Programmer, Statistician, Tech Activist.

Pragmatic, experienced programmer who gets things done. Fast, simple, smart designs uniting display, storage, retrieval and analysis. Entrepreneurial, business-needs-aware, sales- and end-user focused. Capable presenter, project manager, and design architect. Skills in programming (Python, JS, R, Bash), data storage (SQL, NoSQL), web (layout, design, UI), and statistics (M.S., U of MN). Believer in 'The Unix Way'. Eager to help grow companies. Successful remote worker. *Open to contracts, telecommute, full-time positions.*

gregg.lind@gmail.com - 651.222.1329 - Minneapolis, MN

employment

Qualtrx. Co-founder. 2011.

MN Cup Semi-finalist, Biosciences Division (http://bit.ly/k0UW1x).
Project Skyway (selected for inaugural class).
Successful on-going pilot at Hennepin County Medical Center.
Coding and research using html5boilerplate, Python (Flask), MongoDB.

Renesys Corp. Senior Programmer. 2007-2011.

Visualization of Egyptian Internet Outage (http://wired.com/threatlevel/2011/01/egypt-isp-shuttered/).
Renesys Challenge Site (http://renesys.com/challenge_site) for filtering candidates.
Analysis, processing, and storage of high-volume network data (BGP, traceroute).
DSL (with cli, xml-rpc, http interfaces) unifying all Renesys data.
Designed and built storage architectures (file system, BerkeleyDB, MongoDB, PostgreSQL).
RESTful web design using Flask, Webob, Web.py, Jinja2, JQuery, 960.gs.
Graph analysis and visualization (of BGP edge routers, e.g.) using NetworkX, Graphviz.
Topic analysis of 200,000 RSS feeds, using TF-IDF, Bloom Filters, LSI, LDA.

U of Minnesota, School of Public Health. Researcher (various). 2003-2007.

Research on genetics of complex diseases including asthma and cardiovascular disease.
Novel genetics simulation with large data sets (cleaning, validation, algorithm design, efficiency).
GenetSim R package and PedSeer genetic data visualization package.
Biostatistics TA of the Year (2005): courses included “SAS Procedures” and “Biostatistics Methods I”.
Data analysis on Men’s Internet Health Study (MINTS) for Program in Human Sexuality.

eFunds. Decision Analyst. 2002-2003.

SAS models and decision trees for use in check-fraud risk evaluation. Optimized parameters for retail clients to produce risk reduction of up to $6 million annually. Lead analyst for the SCAN check-fraud prediction product.
Exploratory and logistic model building based on large transaction databases (1 billion+ records) using SAS/BASE, SAS/STAT, SAS/ACCESS, and KnowledgeSeeker.

education

University of Minnesota. Minneapolis, Minnesota. 2003-2005.

M.S.–Biostatistics, 3.4 GPA (Degree awarded, 5/06).
Areas of interest: literate programming, software usability, data mining, sampling methods, stochastic modeling, multiple comparison issues, estimators, simulation, algorithms, software design, visual representation of data, and statistical graphics.
Relevant coursework: Data Algorithms, Bayesian Statistics, Theory of Statistics, Regression, Survival Analysis, SAS Procedures.
PedSeer: A program for visualizing, modifying, and repairing pedigree data. (Python/wxWidgets).

Grinnell College. Grinnell, Iowa. 1996-1998.

B.A.–General Science (Biology) and Anthropology (Honors). 3.54 (of 4.0) GPA.

skills

Python (Flask, Django, NetworkX, Nose, Web.py, SciPy, lxml, NLTK, PyParsing).
jQuery, qUnit, jQuery-ui, Javascript.
Source control systems (Git, Subversion, Mercurial).
Operations (RPM packaging, Upstart, Puppet).
Unix tools and methods: regular expressions, filters, pipelines, bash, awk.
Cython, simple C extensions in Python and R.
R, Octave/MATLAB, SAS, other statistical packages.
Statistical methods: graph theory, text analysis (LDA, LSI, TFIDF), market basket analysis and mining, time series, matrix algebra, survival, univariate and multivariate statistics.
Methodologies/idioms: agile, test-driven (TDD/BDD), REST, map/reduce, complexity analysis (Big O). functional programming, OO, convention over configuration.
Relational and non-relational databases (PostgreSQL, MongoDB, LDAP, other NoSQL).
Basic proficiency in Ruby, Haskell, Scheme, C.
Web layout, design (PS, JavaScript, CSS), UI, and deployment.

activism / professional

Co-founder: PyStar, Programming Workshops for Women and their Friends (http://www.pystar.org**).**

First workshop ran 11 days after starting the project.
Workshops in SF, Paris, Minneapolis, Philadelphia, Chicago.

PyMNtos (Python Minnesota), co-chair, lightning talk wrangler.

Moved from Nerdery to Clockwork. Increase attendance from 12 to 28.

(Odds and Ends)

"Building The Tech Community You Want to See". Presented at Minnebar 2011. http://sessions.minnestar.org/sessions/113 .
WHython - Whitespace Haters Python. Author. 4/2010.
NoSQL Live (Boston). Attendee/Co-organizer. 3/2010.
GenetSim R package. Co-author. (currently unreleased).
Contributor to PyMongo, MongoDB, Web.py, PyBloomMMap, Python.
“Bits and Bites - Programming First Steps”. Co-teacher. Twin Cities Experimental College, Fall 2009.

Powderhorn Park Neighborhood Association. 2005-2009.

Elected At-Large Board Member. Helped manage $800,000 budget, secure new sources of funding.

Search committee co-chair for new Executive Director. Managed interview and selection from 48 candidates.

Sexy Spring Collective. 2005-2010.

Board Member. Committees: Fundraising, Publicity, Location Site / Facilities.

Achievements included raising $3200, grant writing, conference organizing, overseeing more than 30 volunteers, and securing official University of Minnesota conference sponsorship.

publications

Co-Author: Visualization of Egyptian Internet Outage: http://www.renesys.com/blog/assets_c/2011/01/noor-thumb-600x498-201.png
http://www.wired.com/threatlevel/2011/01/egypt-isp-shuttered/
http://www.renesys.com/challenge_site

PyStar, Programming Workshops for Women and their Friends (http://www.pystar.org).

(various programming topics) “Write-only by Gregg Lind: Programming, Numbers and Other Kinks” at http://writeonly.wordpress.com/.

Lind, Gregg and Dan Callahan. “Python Spring Cleaning.” PyCon 2010 Lightning, Atlanta, GA.

Lind GR, Miller MB. 2007. “Power Calculations for Genetic Studies using Simulated Data”. UseR! 2007. Ames, Iowa.

Miller MB, Lind GR, Li N & Jang S-Y. 2007. "Genetic Analysis Workshop 15: Simulation of a complex genetic model for rheumatoid arthritis in nuclear families including a dense SNP map with linkage disequilibrium between marker loci and trait loci". BMC Genetics.

Jackola, Duaine, et al. 2007. "Search for Quantitative Trait Loci of Atopy-Associated Immune Responses Using Allergen-Specific IgG1 as an ‘Endophenotype.’" Journal of Allergy and Clinical Immunology. (Supporting work).

Kamp, Kathryn, et al. 1998. "Discovering Childhood: Using Fingerprints to Find Children in the Archaeological Record" American Antiquity. 64:2.

contact

email:	gregg.lind@gmail.com
twitter:	@gregglind
cell:	651.222.1329
skype:	gregg.lind
irc:	irc.freenode.com/gregglind
linkedin:	http://www.linkedin.com/pub/gregg-lind/4/33/476
github:	https://github.com/gregglind
stackoverflow:	http://stackoverflow.com/users/15842/gregg-lind
address:	1014 E. 36th St, Minneapolis, MN, USA, 55407
blog:	http://writeonly.wordpress.com

links