

Mark Jason Dominus

15 University Mews ◇ Philadelphia, PA 19104

215-416-4569 ◇ mjd@plover.com

PROFESSIONAL SUMMARY

Perl Expert - Programmer - Developer - Lecturer - Writer - Instructor

CAREER ACHIEVEMENTS

PENN GENOME FRONTIERS INSTITUTE - Philadelphia, PA 2006 - 2009

Senior Programmer

Part of a four person team of developers of TreeBase 2, with principal responsibility for the development of search features and oversight of migration for several hundred million legacy records.

- Design and development of a web-based accounting system for the Beowulf supercomputing cluster.
- Planned and delivered summer classes in bio-informatics Perl programming

UNIVERSITY OF PENNSYLVANIA - Philadelphia, PA 2004 - 2006

Senior Programmer - Information Systems and Computing

Responsible for development and maintenance of software used to manage accounts, email services and network security for 14,000 students and 10,000 staff and faculty

- Lead in project to start regularly using a revision control system and in developing automated regression tests for our software
- Developed new modules to manage the user name functionality for the student e-mail system to enhance ability to update system as policy changes occurred and to provide greater access speed. The new code was much more modular than before, and much more flexible, because the modules could be combined and plugged together different ways in response to changing policy. The name-generating program ran a ***hundred times*** faster

PLOVER SYSTEMS - Philadelphia, PA 1995 - 2004

Principal/Consultant

Plover specialized in developing interactive, network available applications using "CGI scripts" and also provided systems and security consulting.

- Developed the on-line commerce sites for Clinique and Origins cosmetic brands
- Developed interactive applications for Reel-Time, CyberMedical, The Prudential Insurance Company of America, Medical Broadcasting Company, Schering Drugs and Time-Warner
- Contributor to the core of the Perl Language

TIME WARNER - New York City, NY 1994 - 1995

Senior Systems Engineer

Chief technical engineer at Pathfinder, company's first World-Wide Web project and main internet service.

- Developed Web applications, planned technical and security infrastructure, administered the UNIX systems
- Coordinated with 30 content partners and managed four programmers and system administrators

CAREER ACHIEVEMENTS - continued

UNIVERSITY OF PENNSYLVANIA - Philadelphia, PA
Systems Programmer

1990 - 1994

- Supported and maintained 400 applications
- Administered workstation lab
- Developed applications in C, Perl, sh/bash

LECTURING AND TEACHING EXPERIENCE

- Keynote address at the ACM 2008 OOPSLA Conference
- Developed and delivered classes on Perl worldwide for corporate and government clients: Morgan Stanley, IBM, U.S. Air Force, Schering Drug, Nortel, British Telecom, National Center for Biotechnology Information, Space Telescope Science Institute, Fleet Bank, etc.
- Perennially popular speaker at many conferences including Usenix, LISA, OSCON
- University of Pennsylvania - Taught full-credit C programming class summer 1992

WRITING AND EDITING EXPERIENCE

- *Higher-Order Perl* - (2005, Morgan Kaufmann) "One of the best books on programming I have read for a long time." (Martin Schweitzer, *Computing Reviews*)
- Managing Editor - www.perl.com - edited articles by myself and others
- Columnist - *The Perl Journal* - contributed 14 feature articles; most reprinted in *Computer Science & Perl Programming: Best of the Perl Journal*. (O'Reilly and Associates)
- Published articles also in *WIRED*, *IEEE Software*, *PerlMonth*

COMPUTER SKILLS

Operating Systems

UNIX
 Linux
 Mac

Programming

Perl
 Java
 Lisp / Scheme
 Assembly
 languages
 C
 Haskell
 Fortran
 sh / bash
 awk / sed
Many others

Database

Oracle
 MySQL
 DB2
 Postgres

EDUCATION

Degree Program: Mathematics, Rensselaer Polytechnic Institute
 Graduate Coursework at University of Pennsylvania - Mathematics and Computer Science
 Graduate Coursework at Columbia University - Mathematics and Computer Science

