

David Rysdam

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Skills

Languages: Tcl/Tk, Python, C/C++, shell script, MATLAB and many others

Operating Systems: GNU/Linux, UNIX, Windows

Databases: PostgreSQL, Sybase, sqlite, Oracle

Miscellaneous: strong verbal and written communication skills, excellent troubleshooting and debugging skills, willing to throw away bad code

Work Experience

- **MIT Lincoln Laboratory** Lexington, MA
Software Engineer/Lead Software Engineer *May 2004 - Present*
 - Software lead from 2007 onward directly under principal researcher
 - Space radar and optical data processing against large database
 - Designed and implemented architecture
 - Designed and implemented new processing algorithms and data visualization schemes
 - Ported application from UNIX/Linux to Windows
 - Parallelized CPU-intensive subtasks
 - Refactored third-party graphing package for 10x speed increase
 - Database administration on PostgreSQL and Sybase
 - Responsible for complete end-to-end software lifecycle for multiple projects
 - Provided front-line and escalated technical support to sponsor
- **OpenOne Corporation** Milford, NH
Software Engineer *November 1999 - December 2003*
 - Ported multithreaded email server to Linux on x86 and Alpha from Tru64 and AIX
 - Implemented RFC2060-compliant IMAP interface to email server
 - Provided customer technical support for email migration and email server software
 - Maintained users, disk space and operating software on internal servers and desktops
 - Overhauled automated development build process
 - Administered network infrastructure
- **InterWest Bank** Oak Harbor, WA
Programmer/Programming Team Leader *July 1996 - October 1999*
 - Oversaw data import into and reports/extracts from data center
 - Managed programming team to maintain in-house programs and data
 - Devised and executed plan for fixing all in-house software for Y2K ahead of schedule and under budget with 100% success rate

Education

- **Calvin College** Grand Rapids, MI
B.A.Sc. Computer Science *May 1995*