

Jennifer M. Selby

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<http://www.jenselby.com>

- Summary** Interested in and experienced with a wide range of systems, particularly Operating Systems and security. Able to work well under pressure, multitask, and develop new skills quickly.
- Skills** **Programming Languages:** C, C++, Java, L^AT_EX, infotex, nroff, Scheme, Tcl, Expect, VHDL, Perl, i386 assembly, MCS 51 assembly, html, Python, SQL
- Software:** Linux, Solaris, MacOS X, Kerberos, AFS, NFS, bash, sh, tcsh, vi, emacs, make, gcc/cc, dbx, mdb, gdb
- Experience** **Metacarta, Software Engineer** *2004 - present* **Cambridge, MA**
Developed tools for configuring and testing SSL, Active Directory, Samba, and Kerberos. Worked on systems for managing and securing document repositories.
- Sun Microsystems, Software Engineer** *2003 - 2004* **Burlington, MA**
Developed system management software for the Sun Fire family of servers. Designed, developed, documented, and released extensible tools for embedded data storage. Worked primarily in C++, with smaller projects in Java, Expect, ksh, csh. Sun University classes: Solaris System and Network Administration, Solaris Internals, Device Drivers, Kernel Crash Dump Analysis.
- MIT Information Systems, Kerberos Development Team** *2001 - 2003* **Cambridge, MA**
Updated and reorganized user, system administrator, and installation guides. Synchronized code and documentation as necessary.
- Digital Sytems Incorporated Junior Systems Analyst** *2000* **Westminster, PA**
Maintained company workstations, wrote technical documents, and researched migration of software to other platforms.
- Bancroft Neurohealth Advocate for Mentally Impaired** *1999* **Voorhees, NJ**
Worked with a group of 12 adults, teaching and assisting with daily skills.
- University of Pennsylvania, Molecular Biology Research Assistant** *1998* **Philadelphia, PA**
Performed electrophoresis sequencing, polymerase chain reactions, digests.
- Teaching** **MIT Experimental Studies Group Teaching Assistant** *2001 & 2003* **Cambridge, MA**
Taught tutorials and graded tests for Structures & Interpretations of Computer Programming.
- Computer Assistant** *2002* **Cambridge, MA**
Assisted in preparation of Operating Systems class at Tufts University.
- MIT Experimental Studies Group Calculus Instructor** *2000* **Cambridge, MA**
Co-taught freshman calculus. Gave lectures and wrote and graded tests and problem sets.
- Student Information Processing Board** *2003, 2004, & 2005* **Cambridge, MA**
Co-taught a two-week “Crash Course in C”
- Education** **Massachusetts Institute of Technology** *1999-2003* **Cambridge, MA**
B.S. in Computer Science and Engineering, GPA: 4.1/5.0.
Coursework: Operating System Engineering, Network and Computer Security, Digital Systems Laboratory, Microcomputer Project Laboratory, Software Engineering Laboratory, Structures and Interpretations of Computer Programs, Circuits and Electronics, Signals and Systems, Computation Structures, Computer System Engineering, Artificial Intelligence, Introduction to Algorithms, Single and Multivariable Calculus with Theory, Differential Equations, Organic Chemistry, Science Policy and Environmental Management, Mechanics and Materials, Modeling Dynamics and Control
- Activities** MIT Womens’ Varsity and Club Ice Hockey, Alpha Phi Omega Coed Service Fraternity Alpha Chi Chapter, Student Information Processing Board, MIT Assassins’ Guild, MIT Lecture Series Committee, MIT Theater: Master Electrician, Lighting Crew, Set Designer, Technical Director, or Costume Mistress for performances by the Musical Theater Guild, Dramashop, Playwrights in Performance, and Dance Troupe.