

Nelson Elhage
285 3rd St Apartment 511
Cambridge, MA 02139
nelhage@nelhage.com

Education

- **Massachusetts Institute of Technology**, Cambridge, MA
Bachelor of Science in Electrical Engineering and Computer Science, June 2009
GPA 4.9/5.0
 - Chairman, Educational Studies Program, a student-run high school outreach program, 2006-2007
 - Chairman, Student Information Processing Board, 2009
- **Roxbury Latin School**, West Roxbury, MA
2001-2005, Graduated *Summa Cum Laude* June 2005 with a 4.0 GPA

Work experience

- **Oracle**, Cambridge MA, August 2011-Present, Architect
Ksplice, Cambridge MA, June 2009-July 2011, Employee #1, Principal Engineer
(Ksplice was acquired by Oracle in July 2011)
Core developer on technology for creating and applying rebootless updates to the Linux kernel.
Developed and maintained automated build and test infrastructure for thousands of kernel versions.
Developed and maintained services to distribute updates and monitor customer deployments.
- **VMware**, Palo Alto, CA
Summer 2008, Member of Technical Staff, Intern
Extended support for VMware's next-generation virtual machine communication infrastructure.
- **Best Practical Solutions**, Somerville, MA
Summer 2006, Software Developer (Intern)
Developer for Hiveminder (<http://hiveminder.com>) and Jifty, a Perl web application framework.

Other Experience

- **Other projects**
 - Developed <http://livegrep.com>, providing real-time interactive regular expression search over >450MB of source code.
 - Developer and former lead maintainer of Barnowl IM client (<http://barnowl.mit.edu>)
- **Relevant coursework**
 - Teaching Assistant, 6.828 *Operating Systems Engineering*, Fall 2007
 - 6.035 *Computer Language Engineering* Fall 2007
Implemented an optimizing and data-parallelizing compiler for a C-like language.
 - 6.170 *Laboratory in Software Engineering* Spring 2006
Designed and implemented an Antichess engine, UI and AI with a three-man team
 - 6.828 *Operating Systems Engineering* Fall 2006
Implemented a minimal unix-style OS kernel and userspace

Skills

- Proficient in C, Python, Javascript, C++, bash scripting
- Familiar with Perl, HTML, CSS, Lisp/Scheme, Java, SQL, Haskell
- Comfortable with basic UNIX system administration.