

# John J. Lee

CONTACT	24-47 23rd Street #1FL Astoria, NY 11102 USA	E-mail: <a href="mailto:jjl@jjl.nu">jjl@jjl.nu</a> Cell: (347) 804-8489	Web: <a href="http://jjl.nu">http://jjl.nu</a> Last updated 2008-10-30
EDUCATION	<b>Massachusetts Institute of Technology</b> <b>M.Eng.</b> Electrical Engineering and Computer Science Thesis title: <i>Efficient Object Recognition and Image Retrieval for Large-Scale Applications</i> <ul style="list-style-type: none"><li>• Dimitris N. Chorafas Foundation Award (international)</li><li>• 1st place, Johnson Thesis Award for Outstanding M.Eng. Thesis (MIT)</li><li>• Morris Joseph Levin Award for Outstanding Oral Thesis Presentation (MIT)</li></ul> <b>B.S.</b> Computer Science and Engineering <b>B.S.</b> Physics	<b>Cambridge, MA</b> <b>June 2008</b>  <b>June 2007</b> <b>June 2007</b>	
EXPERIENCE	<b>Google, Inc.</b> <i>Software Engineer</i> Designing algorithms for intelligent information extraction, improved data quality, and the future of Web search. Exploring and building prototypes of experimental interfaces to search engines.	<b>New York, NY</b> <i>September 2008 – present</i>	
	<b>MIT CSAIL Vision Interfaces Lab</b> <i>Research Assistant</i> Researched dynamic, adaptive, and large-scale object recognition and image retrieval techniques. Created a fast, open source library for various computer vision techniques along with novel applications to large-scale data sets. Software available at <a href="http://people.csail.mit.edu/jjl/libpmk">http://people.csail.mit.edu/jjl/libpmk</a> .	<b>Cambridge, MA</b> <i>January 2005 – June 2008</i>	
	<b>Google, Inc.</b> <i>Software Engineer Intern</i> Designed algorithms for intelligent Web-scale data mining. Designed algorithms for unsupervised detection of meaningful repeated structures. Created novel techniques for classifying named entities and efficient reference resolution across large databases.	<b>New York, NY</b> <i>Summers 2006-2007</i>	
	<b>Microsoft Corporation</b> <i>Software Design Engineer in Test Intern</i> Created and publicly released a software package with a novel learning-based method of classifying users' machines on high-definition video rendering capability. Built visualization tools with novel algorithms to analyze large media playback logs for Windows Vista.	<b>Redmond, WA</b> <i>Summers 2004-2005</i>	
	<b>ForSaleByOwner.com</b> <i>Web Developer</i> Developed a custom CRM solution, combined with a new internal bug reporting and tracking system, to facilitate management of over 1.5 million home listings and to improve accountability for customer interactions. Created applications to allow sales staff to track leads more efficiently.	<b>New York, NY</b> <i>Summer 2003</i>	
	<b>American Red Cross in Greater New York – Youth Group</b> <i>Web Developer</i> Designed and built a Web-based volunteer management system to track activity of over 700 volunteers and to automate common office tasks, eliminating most paperwork and allowing HR resources to be diverted to the creation of a new service division.	<b>New York, NY</b> <i>September 2001 – 2003</i>	
SKILLS AND INTERESTS	<ul style="list-style-type: none"><li>• C, C++, Java, Python, Perl, Scheme, MATLAB; HTML, CSS, JavaScript, PHP, SQL</li><li>• Unix/Linux and Windows system administration</li><li>• Common word processing, spreadsheet, and presentation software; <math>\LaTeX</math>; GNU Emacs</li><li>• Mobile phone platforms: Nokia Series 60 (S60), Google Android</li><li>• Artificial intelligence (AI), machine learning, SVMs, computer vision, data mining</li></ul>		
CODE	Various projects, including mobile phone applications, computer vision libraries, Web content management software, 3D graphics renderers, image processors, and network applications. Descriptions, demos, and source code at <a href="http://jjl.nu/software">http://jjl.nu/software</a> .		