

MAXINE LIM

email: itsmaxine@gmail.com · *phone:* +1 (650) 209 0257 · *web:* <http://maxinelim.com>

EDUCATION

Master of Science 2012-present Stanford University, Stanford, CA
Department: Computer Science

Bachelor of Science 2008-2013 Stanford University, Stanford, CA
Major: Computer Science · Minor: Biology
Honors Thesis: *Post-Hoc Semantics for the Web*
Academic Advisor: Prof. Oussama KHATIB · Research Advisor: Assoc. Prof. Scott KLEMMER

High School Diploma 2004-2008 Pinewood School, Los Altos Hills, CA
Valedictorian

PUBLICATIONS

CHI 2013 Paris, France **Webzeitgeist: Design Mining the Web**
Ranjitha Kumar, Arvind Satyanarayan, Cesar Torres, **Maxine Lim**, Salman Ahmad, Scott R. Klemmer, Jerry O. Talton.
CHI: ACM Conference on Human Factors in Computing Systems · BEST PAPER AWARD

Tech Report Stanford, CA **Learning Structural Semantics for the Web**
Maxine Lim, Ranjitha Kumar, Arvind Satyanarayan, Cesar Torres, Jerry O. Talton, Scott R. Klemmer.
Stanford University Technical Report

UIST 2012 Cambridge, MA **Learning Design Patterns with Bayesian Grammar Induction**
Jerry O. Talton, Lingfeng Yang, Ranjitha Kumar, **Maxine Lim**, Noah D. Goodman, Radomir Mech.
UIST: ACM Symposium on User Interface Software and Technology · BEST PAPER NOMINEE

CHI 2012 Austin, TX **A Platform for Large-Scale Machine Learning on Web Design**
Arvind Satyanarayan, **Maxine Lim**, Scott R Klemmer.
CHI: ACM Conference on Human Factors in Computing Systems

WORK EXPERIENCE

Stanford HCI Group Fall '11-present Research Assistant
Investigate data-driven techniques for Web design. Apply machine learning algorithms to page element labels to train classifiers. Build label-collecting interfaces for gathering crowdsourced data on page elements.

Stanford HCI Group Summer '11 Computer Science (CURIS) Intern
Contributed to building a large, scalable corpus of Web designs for use in machine learning. Optimized page segmentation algorithm to achieve reduction from a quadratic to linearithmic running time. Experimented with web crawling to determine viability for gathering a large number of Web designs for inclusion into corpus.

Stanford Academic Computing Services Winter '11-Winter '12 Imaging Tech
Maintained and updated stable OS configurations for computers on campus by discovering optimal ways to install and configure software and preferences. Updated command files and transcripts for Mac machines and wrote patches in Python for Windows machines. Built interface for image status reporting.

Winter '11-Winter '12 Section Leader, CS 106A

*Stanford
University*

Taught weekly sections of 10-15 students on introductory programming in Java. Advised students on programming and debugging code during weekly help sessions. Graded assignments and exams.

Winter '10-Spring '10 Research Assistant, WU LAB

*Stanford School of
Medicine*

Investigated immunosuppressive therapy for embryonic stem cell transplants. Imaged lab animals to determine survival of transplants, maintained cell cultures, harvested stem cells via bone marrow extraction, and assisted in a variety of other laboratory procedures.

Spring '10 Research Assistant, BIO ADD LAB

*Stanford
University*

Explored proteins involved in Alzheimers' disease development. Completed extensive protein synthesis over the course of a quarter to determine its viability in disease treatment. Assisted in procedures such as Western Blotting.

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