
CONTACT INFORMATION	3219 Siebel Center 201 S Goodwin Ave Urbana, IL 61802	email: plin15@illinois.edu url: http://patrickl.in/
RESEARCH INTERESTS	Computational Topology, Approximation Algorithms, Computational Complexity, Computational Learning Theory	
EDUCATION	Ph.D. Computer Science , University of Illinois at Urbana-Champaign <i>Advisor: Jeff Erickson</i>	<i>in progress</i>
	M.S. Mathematics , NYU Polytechnic School of Engineering <i>Advisor: Lisa Hellerstein</i>	<i>May 2015</i>
	B.S. Computer Science with honors, NYU Polytechnic School of Engineering	<i>May 2015</i>
RESEARCH EXPERIENCE	University of Illinois at Urbana-Champaign , Studied problems involving embeddings of graphs on surfaces, as well as various notions of high-dimensional expansion.	<i>2016 – Present</i>
	NYU Polytechnic School of Engineering , Investigated stochastic submodular optimization problems, including applications to boolean function evaluation. Gave results on approximation algorithms and bounds on optimality measures (e.g., the adaptivity gap).	<i>2014 – 2015</i>
	NYU Polytechnic School of Engineering , Investigated the use of the Mahalanobis-Taguchi statistical method in text-based language detection. Implemented text data processing and the method using C++, and ran experiments on text samples.	<i>2012</i>
PUBLICATIONS ¹	N. Grammel, L. Hellerstein, D. Kletenik, P. Lin . Scenario Submodular Cover. <i>To appear</i> .	
	L. Hellerstein, D. Kletenik, P. Lin . Discrete Stochastic Submodular Maximization: Adaptive vs. Non-Adaptive vs. Offline. In <i>International Conference on Algorithms and Complexity (CIAC)</i> , 2015.	
TALKS AND POSTERS	“What Language Is It? Language Identification using the Mahalanobis-Taguchi System” at the 2012 NYU-Poly Research Expo	
AWARDS AND FELLOWSHIPS	Richard T. Cheng Endowed Fellowship, <i>University of Illinois at Urbana-Champaign</i>	<i>2015-2016</i>
	Promise Scholarship Award, <i>NYU Polytechnic School of Engineering</i>	<i>2011-2015</i>
TEACHING EXPERIENCE	University of Illinois at Urbana-Champaign , Department of Computer Science <i>Teaching Assistant</i>	<i>2015 – Present</i>
	Courses: – Algorithms (graduate) – Algorithms & Models of Computation	
	NYU Polytechnic School of Engineering , Department of Computer Science & Engineering <i>Teaching Assistant</i>	<i>2012 – 2014</i>
	Courses: – Theory of Computation (graduate) – Foundations of Computer Science (graduate) – Introduction to Programming and Problem Solving – Discrete Mathematics	

¹In Theoretical Computer Science, by convention authors are listed alphabetically by last name.

EMPLOYMENT **NYU Operations** *2013 – 2014*
Programmer Analyst

Freelance Web Developer *2009 – 2011*

SERVICE Reviewed paper for FOCS 2016
Organizer of NYU-Poly Theory Seminar, Spring 2015

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