

**RESEARCH INTEREST** Revenue management, assortment optimization, customer choice modelling, optimal pricing, network flow theory

**EDUCATION** **Cornell University**, Ithaca, NY *Expected Grad.: May 2019*  
Ph.D. in Operations Research and Information Engineering  
Specialization: Revenue Management  
Advisor: Dr. Huseyin Topaloglu

**University of Waterloo**, Waterloo, ON *May 2014*  
M.Math in Combinatorics and Optimization  
Thesis: On Véggh's Strongly Polynomial Algorithm for Generalized Flows  
Advisor: Dr. Joseph Cheriyan  
GPA: 92.5/100.0

**University of Waterloo**, Waterloo, ON *August 2012*  
M.Acc in Accounting  
GPA: 89.25/100.0

**University of Waterloo**, Waterloo, ON *December 2011*  
B.Math in Mathematics/Chartered Accountancy,  
Information System Option, Combinatorics & Optimization Minor, Co-op  
GPA: 93.77/100.0, Dean's Honours List with Distinction

**PUBLICATIONS** **Lo, V.**, Topaloglu, H., "Omnichannel Assortment Optimization under the Multinomial Logit Model with a Features Tree." Submitted to MSOM.

**Lo, V.**, Topaloglu, H., "Assortment Optimization under the Multinomial Logit Model with Product Synergies." Submitted to OR Letters.

**Lo, V.**, Topaloglu, H., "Assortment Optimization under Dynamic Substitution and Inventory Stocking Costs." In progress.

**Lo, V.**, "On Vegh's Strongly Polynomial Algorithm for Generalized Flows." UWSpace, 2014.

**INVITED PRESENTATIONS** Assortment Optimization for an Omnichannel Retailer with Features-based Value Boosts and Discounts: INFORMS Revenue Management and Pricing Conference 2018, INFORMS 2018, and POMS-HK International Conference 2019.

Dynamic Assortment Optimization with Inventory Stocking Costs: INFORMS 2017 and INFORMS 2018.

Assortment Optimization Under a Synergistic Version of the Multinomial Logit Model: INFORMS 2016 and POMS-HK International Conference 2017.

**TEACHING EXPERIENCES** ORIE 4580/5580: Simulation Modeling and Analysis *Fall 2018*  
Teaching Assistant (lead recitation, office hours), Cornell University

	ORIE 5380: Optimization Methods Teaching Assistant (grading), Cornell University	<i>Fall 2017</i>
	CO 327: OR Modelling (non-specialist) Teaching Assistant (office hours, grading), University of Waterloo	<i>Winter 2014</i>
	CO 227: Introduction to Optimization (non-specialist) Teaching Assistant (office hours, grading), University of Waterloo	<i>Fall 2013</i>
	CO 250: Introduction to Optimization Teaching Assistant (grading), University of Waterloo	<i>Fall 2012, Spring 2013</i>
	CO 372: Portfolio Optimization Teaching Assistant (grading), University of Waterloo	<i>Winter 2013</i>
	AFM 361: Taxation I Teaching Assistant (grading), University of Waterloo	<i>Spring 2012</i>
	MATH 137: Introduction to Calculus I Tutorial Centre Undergraduate Tutor, University of Waterloo	<i>Pre-2011</i>
	MATH 135: Introduction to Algebra I, Tutorial Centre Tutor Tutorial Centre Undergraduate Tutor, University of Waterloo	<i>Pre-2011</i>
<b>SERVICE ACTIVITIES</b>	President of ORIE Graduate Association, Cornell University Department Picnic Organizer, Cornell University	<i>2018 - Present 2015</i>
<b>HONOURS &amp; AWARDS</b>	NSERC Post-Graduate Scholarships (Doctoral), Government of Canada Sherri Koenig Stuewer Graduate Fellowship, Cornell University QEII Graduate Scholarship in Science and Technology, Province of Ontario Ontario Graduate Scholarship (M.Math), Province of Ontario President's Graduate Scholarship (M.Math), University of Waterloo Ontario Graduate Scholarship (M.Acc), Province of Ontario President's Graduate Scholarship (M.Acc), University of Waterloo Rene Descartes Scholarship, University of Waterloo Queen Elizabeth Aiming for the Top Scholarship, Province of Ontario President's Scholarship, University of Waterloo	<i>2015-2018 2014-2015 2014 2012-2013 2012-2013 2012 2012 2007-2011 2007-2011 2007</i>
<b>OTHER EXPERIENCES</b>	<b>Data Scientist Intern</b> , Dibs Technology Inc, New York, NY Set up dynamic pricing algorithm for fitness classes for several clients, based on historical and current enrolment data	<i>Spring 2016</i>
	<b>Junior Auditor (Co-op)</b> , Collins Barrow Toronto LLP, Toronto, ON (Previously Smith Nixon LLP) Audit financial statements of public companies in teams of two to four	<i>Spring 2011, Winter 2011, Winter 2010, Winter 2009</i>
<b>PROGRAMMING LANGUAGES</b>	Python, Julia, MATLAB, LATEX	