

<b>Current Position</b>	<b>Department of Industrial Engineering, University of Chile</b> Assistant Professor	2017 - Present
<b>Education</b>	<b>Massachusetts Institute of Technology</b> Ph.D. in Operations Research	2012 - 2017
	<b>University of Chile</b> Master in Operations Management	2010 - 2011
	<b>University of Chile</b> Bachelor of Industrial Engineer	2005 - 2011
<b>PhD Thesis</b>	<b>New Applications in Revenue Management</b> Adviser: Georgia Perakis	2017
<b>Master Thesis</b>	<b>Pricing Strategies with Strategic Consumers</b> Adviser: José Rafael Correa	2011
<b>Publications</b>	<b><a href="#">Analytics Saves Lives During the COVID-19 Crisis in Chile</a></b> Joint work with: Basso, L., Goic, M., Olivares, M., Sauré, D., et al. <i>Inform Journal on Applied Analytics</i> , 2023, INFORMS	
	<b><a href="#">On the Optimization of Pit Stop Strategies via Dynamic Programming</a></b> Joint work with: Carrasco, F. <i>Central European Journal of Operations Research</i> , 2022, Springer	
	<b><a href="#">On the Resource Allocation for Political Campaigns</a></b> Joint work with: Morales, S. <i>Production and Operations Management</i> , 2021, Wiley	
	<b><a href="#">On a Variation of Two-part Tariff Pricing of Services: A Data-Driven Approach</a></b> Joint work with: Perakis, G. <i>MSOM</i> , 2021, INFORMS	
	<b><a href="#">Consumer Surplus Under Demand Uncertainty</a></b> Joint work with: Coehn, M., and Perakis, G. <i>Production and Operations Management</i> , 2021, Wiley	
	<b><a href="#">The effect of correlation and false negatives in pool testing strategies for COVID-19</a></b> Joint work with: Basso, J. L., Salinas, V., Saure, D., and Yankovic, N. <i>Health Care Management Science</i> , 2021, Springer	
<b><a href="#">Contingent Preannounced Pricing Policies with Strategic Consumers</a></b> Joint work with: Correa, J. R., and Montoya, R. <i>Operations Research</i> , 2016, INFORMS		

<b>Submitted Papers/Working Progress</b>	<p><b>Competition and Externalities in Green Technology Adoption</b> Working paper with Perakis, G.</p> <p><b>Own Brand: Who benefits from it?</b> Working paper</p> <p><b>Political choice estimation using demographic and voters' topic opinions</b> Working paper with Piña, C.</p>	
<b>Refereed Conference Proceedings</b>	<p><b>Competition and Externalities in Green Technology Adoption</b> 2015 Sustainable Operations SIG, MSOM Toronto 2014 MSOM Seattle</p> <p><b>Contingent Preannounced Pricing Policies with Strategic Consumers</b> 2012 MSOM New york</p>	
<b>Invited Talks</b>	<p><b>On the Resource Allocation for Political Campaigns</b> Catholic University, Santiago, Chile</p> <p><b>On the Resource Allocation for Political Campaigns</b> University Adolfo Ibañez, Santiago, Chile</p>	<p>Spring 2020</p> <p>Spring 2019</p>
<b>Academic Achievements</b>	<p><b>Franz Edelman Award: "Analytics Saves Lives During the Covid Crisis in Chile"</b> 2022</p> <p><b>Best Student Paper at POMS: College of Supply Chain Management</b></p> <p><b>Ranked number one of the Master in Operations Management</b></p> <p><b>Best teaching assistant of 2010</b></p> <p><b>Best teaching assistant of 2011</b></p> <p><b>Distinguish student during years</b></p> <p><b>Gold medal in the national (Chilean) math olympics</b></p>	<p>2015</p> <p>2011</p> <p>2012</p> <p>2005 - 2009</p> <p>2002</p>
<b>Research Internships</b>	<p><b>University of Columbia</b> Worked with Nicolás Stier-Moses on a problem in games and optimization. Also audited two courses.</p>	<p>Winter 2011</p>
<b>Working Experience</b>	<p><b>Apple</b> Internship Develop an optimization tool to improve the supply chain process resulting in savings of several millions of dollars each coming year. The tool is able to solve formulate, solve, and output on-the-fly the different business rules of the problem in procurement meetings.</p> <p><b>CODELCO</b> Advance Excel Course Teach as a private consultant the main tools of Microsoft Excel in ten classes, reviewing exercises to put in practice the wide range of functions, shortcuts, macros and other features that this software provides.</p> <p><b>Falabella</b> Consultancy Worked on a model to predict sales of every store in Chile based on econometric regressions with specific independent variables for each of the stores.</p>	<p>Summer 2015 Cupertino, CA</p> <p>Spring 2011 Santiago, Chile</p> <p>Summer 2009 Santiago, Chile</p>

**Bank Itaú Chile** Summer 2009  
 Internship Santiago, Chile  
 Create a worksheet to value a derivative (Interest Rate Swap), considering the different financial calendars, interest rates and other specifications.

**Teaching (University of Chile)**

*Undergraduate:*

Probability [IN3141-1]	Spring 2022
Probability [IN3141-1]	Fall 2022
Probability [IN3141-1]	Spring 2021
Probability [IN3141-1]	Fall 2021
Operations Management I [IN4703-1]	Spring 2020
Operations Management I [IN4703-2]	Fall 2020
Operations Management I [IN4703-2]	Spring 2019
Operations Management I [IN4703-2]	Fall 2019
Operations Management I [IN4703-1]	Fall 2018
Operations Management I [IN4703-1]	Fall 2018
Operations Management II [IN4704-2]	Spring 2011

*Graduate:*

Operations Management [IN75R-1/DPDIIGDE05-1] - MBA	Spring 2022
Operations Management [IN75R-1] - MBA	Spring 2021
Operations Management [IN75R-1/DPDIIGDE05-1] - MBA	Spring 2020
Applied Methods for Data Analyses [IN5724-1]	Fall 2019
Operations Management [IN75R-1] - MBA	Spring 2019
Operations Management [IN75R-1/IN7A6-1] - MBA	Spring 2018

*Executive Education:*

Data Driven Decision Making - Certificate	Spring 2021
Data Driven Decision Making - Certificate	Spring 2020
Data Driven Decision Making - Certificate	Spring 2019

**Teaching (Washington University St. Louis)**

*Graduate:*

Implementing Strategy through Global Operations [MGT560Q] - MBA	Spring 2022
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**Assistant teacher (MIT)**

*Undergraduate:*

Optimization Methods in Management Science	Spring 2015
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*Graduate:* MBA

Introduction to Operations Management	Fall 2015
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*Graduate:* LGO (Leaders for Global Operations)

System Optimization and Analysis	Summer 2016
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*Graduate:* Executive-MBA

Excel Class	Spring 2016
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**Assistant teacher (University of Chile)**

*Undergraduate:*

Advance Excel Course	Fall 2012
Modeling and Optimization [IN3701]	Fall 2011
Operations Research [IN3702]	Fall 2010

<b>Economics [IN2201-2]</b>	Spring 2009
<b>Operations Research [IN3702]</b>	Spring 2009
<b>Advance Excel Course</b>	Spring 2009
<b>Economics [IN2201-2]</b>	Fall 2009
<b>Operations Research [IN44A]</b>	Fall 2009

<i>Graduate:</i> Master in Operations Management	
<b>Models and Algorithms of Optimization [IN77O-1]</b>	Fall 2011
<b>Stochastic Models for Engineering Systems [IN79O-1]</b>	Spring 2010

<i>Graduate:</i> Master in Management for Globalization	
<b>Operations Management [IN7A6-1]</b>	Spring 2011
<b>Operations Management [IN7A6-1]</b>	Spring 2010

<i>Graduate:</i> MBA	
<b>Advance Excel Course</b>	Fall 2010

**Computer Skills** C, Java, Python, Julia, VBA, Matlab, R, Excel, AMPL, GAMS, SPSS, StatFit, Eviews, Arena

<b>Languages</b>	<b>Spanish</b>	Native
	<b>English</b>	Intermediate

**Nationality** Chilean