

Daniel Oliveira

CONTACT	4-628 Silverbirch Rd Waterloo, ON Canada N2L 4R5	Phone: +1 226 505 9031 E-mail: ddoliveira@uwaterloo.ca Webpage/Github: danieloliveira56.github.io
EDUCATION	University of Waterloo , Waterloo ON, Canada	
	MMath in Combinatorics and Optimization	09/2017 - 04/2020
	<ul style="list-style-type: none">• Thesis: “The Knapsack Problem with Price-Dependent Weights”• Advisors: Ricardo Fukasawa and Joe Naoum-Sawaya	
	Universidade Federal Fluminense , Niterói-RJ, Brazil	
	M.Sc. in Industrial Engineering	08/2013 - 12/2015
	<ul style="list-style-type: none">• Emphasis: Operations Research• Thesis: “Improvements to a Branch-Cut-and-Price Algorithm for the Exact Solution of Parallel Machines Scheduling Problems”• Advisor: Artur Pessoa	
	B.Sc. in Industrial Engineering	03/2008 - 08/2013
	<ul style="list-style-type: none">• Thesis: “Optimization of the Allocation of Workers to Production Lines using Mixed Integer Linear Programming”• Advisor: Artur Pessoa	
TECHNICAL SKILLS	C++, Python, Excel VBA, SQL, Regex, HTML/CSS/Javascript, PHP, Git, CPLEX (Mathematical Optimization), and L ^A T _E X.	
WORK EXPERIENCE	Brazilian Company of Urban Trains , Rio de Janeiro-RJ Brazil	
	<i>Engineer</i>	04/2015 - 08/2017
	<ul style="list-style-type: none">• Managed contracts of railroad infrastructure development.• Evaluated and approved designs, followed the development of projects, and approved milestones for payment.	
	Setra Soluções (Fixed Assets Mgmt. Consulting) , Rio de Janeiro-RJ Brazil	
	<i>Consultant</i>	08/2014 - 04/2015
	<ul style="list-style-type: none">• Automated the update, consolidation, and querying of data from massive Excel spreadsheets using VBA.• Designed a Database and developed a Web Application using PHP, MySQL and HTML/CSS/Javascript for the tasks listed above.	
	Ekons Consultoria (Business Consulting) , Rio de Janeiro-RJ Brazil	
	<i>Consultant</i>	04/2013 - 01/2014
	<ul style="list-style-type: none">• Developed Management Dashboards using Excel/Access and VBA. Automated diverse tasks using the same. Conducted Excel/VBA training.	
	United Parcel Service (UPS) , Miami-FL USA	
	<i>Industrial Engineering Intern</i>	07/2012 - 11/2012
	<ul style="list-style-type: none">• Automated the extraction and input of data from a terminal-like system using Excel/Access and VBA.	
PUBLICATIONS	D. Oliveira and A. Pessoa. An Improved Branch-Cut-and-Price Algorithm for Parallel Machine Scheduling Problems, <i>Inform's Journal on Computing</i> , 2019.	
PROJECTS	C++ Algorithm for Master's Thesis and the paper listed above. C++ Algorithm for a Kaggle competition (placed 11 th of 1127 teams).	