

Daniel Oliveira

CONTACT INFORMATION

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RESEARCH INTERESTS

- Operations Research
- Combinatorial Optimization
- Mixed Integer Programming
- Polyhedral Combinatorics
- Scheduling and Vehicle Routing Problems

EDUCATION

Universidade Federal Fluminense, Niterói-RJ, Brazil

M.Sc. in Production Engineering

08/2013 - 12/2015

- Emphasis: Systems, Decision Support and Logistics
- Dissertation Title: “Improvements to a Branch-Cut-and-Price Algorithm for the Exact Solution of Parallel Machines Scheduling Problems”
- Advisor: Artur Pessoa
- GPA: 8.19/10.0

B.Sc. in Production Engineering

03/2008 - 08/2013

- Thesis Title: “Optimization of the Allocation of Workers to Production Lines using Mixed Integer Linear Programming”
- Advisor: Artur Pessoa
- GPA: 7.13/10.0

Kettering University, Flint-MI, USA

Industrial Engineering, non degree program

01/2012 - 12/2012

- GPA: 3.72/4.0

HONORS AND AWARDS

XLVIII Brazilian Symposium on Operations Research - Best Paper Award, 2016.
CAPES Scholarship for M.Sc. at Universidade Federal Fluminense, 2013.
CAPES Science Without Borders Undergraduate Scholarship (one year of undergraduate studies abroad), 2012.

WORK EXPERIENCE

Brazilian Company of Urban Trains, Rio de Janeiro-RJ Brazil

Production Engineer

04/2015 - present

Setra Soluções (Asset Management Consulting), Rio de Janeiro-RJ Brazil

Consultant

08/2014 - 04/2015

Ekons Consultoria (Business Consulting), Rio de Janeiro-RJ Brazil

Consultant

04/2013 - 01/2014

United Parcel Service (UPS), Miami-FL USA

Industrial Engineering Intern

07/2012 - 11/2012

Ágora CTVM (Brokerage Firm), Rio de Janeiro-RJ Brazil

Intern

01/2011 - 11/2011

WORKING PAPERS	D. Oliveira and A. Pessoa. An Improved Branch-Cut-and-Price algorithm for Parallel Machine Scheduling Problems (Submitted).
CONFERENCE PRESENTATIONS	<p>D. Oliveira and A. Pessoa. An Improved Branch-Cut-and-Price algorithm for Parallel Machine Scheduling Problems. XLVIII Brazilian Symposium on Operations Research (SBPO), September 27-30, 2016, Vitória, ES, Brazil</p> <p>D. Oliveira and A. Pessoa. Improvements to a Branch-Cut-and-Price Algorithm for the Exact Solution of Parallel Machines Scheduling Problems. International Workshop on Column Generation, May 22-25, 2016, Búzios, RJ, Brazil</p> <p>D. Oliveira and A. Pessoa. Cut Separation for Parallel Machine Scheduling Problems using a Genetic Algorithm (Poster). XLVII Brazilian Symposium on Operations Research (SBPO), August 25-28, 2015, Porto de Galinhas, PE, Brazil</p>
COMPUTER SKILLS	C++, Python, Visual Basic for Applications (VBA), SQL, Web Development (HTML, CSS, Javascript, PHP), CPLEX and \LaTeX .
STANDARDIZED TEST SCORES	<p>GRE Revised General (08/2016)</p> <ul style="list-style-type: none"> • Quantitative Reasoning: 168 (95th Percentile) • Verbal Reasoning: 165 (95th Percentile) • Analytical Writing: 3 (17th Percentile) <p>GRE Subject Test in Mathematics (10/2016): 820 (84th Percentile)</p> <p>TOEFL (10/2016): 109/120</p>
LANGUAGES	Portuguese, English