

# RENATO P. F. L. LUCINDO

Brazilian, 29 years old, single. Email: lucindo@me.com

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- Objective** Software Engineer/Technical Leader position, preferably to work on research/development of large scale distributed systems.
- Education**
- University of São Paulo, Institute of Mathematics and Statistics** **2003 - 2007**  
MSc in Computer Science.  
Dissertation's title: *Algorithms for Balanced Connected Partitions of Graphs*.  
Advisor: Dr. Yoshiko Wakabayashi.  
Member of Combinatorics and Combinatorial Optimization Research Group.  
<http://www.ime.usp.br/~lucindo/>
- Pontifical Catholic University of São Paulo, PUC-SP** **1999 - 2002**  
Bachelor in Computer Science.  
Teaching Assistant of *Data Structures I & II* in 2001.  
Instructor of *Introduction to Unix Systems* course, taught to freshman students.
- Interests**
- Systems:
- Large Scale Distributed Systems.
  - Computer Networks.
- Theory:
- Combinatorial Optimization & Computational Complexity.
  - Graph Theory.
  - Operations Research & Mathematical Programming.
- Skills**
- Strong algorithmic formation (problem solving enthusiast).
  - Fluent in C++, C and Java, working on large scale projects for the last 6 years.
  - Extensive experience in network and concurrent programming: sockets, non-blocking and asynchronous I/O, patterns for event handling, synchronization and concurrency.
  - Experience in designing and developing large scale systems.
  - Experience of 8+ years in Unix programming (POSIX) environments.
  - Experience of 6+ years in CORBA programming (C++ and Java).
  - Knowledge of network protocols and topologies.
  - Knowledge of script languages such as Python, Perl, Ruby and Bourne Shell.
  - Knowledge of functional languages: Erlang and Lisp.
  - Experience with frameworks/libraries: ACE, TAO, Boost, Berkeley DB.
- Work Experience**
- UOL Inc.** **Nov. 2007 - present**  
*Software Engineer:*  
Head of email infrastructure development. Main developer of email backend systems, anti-spam system and coordinator of others email related projects.
- Globo.com** **Apr. 2007 - Oct. 2007**  
*Software Engineer:*  
Deployed a large scale distributed and fault-tolerant file system.
- UOL Inc.** **2004 - 2007**  
*Software Engineer:*  
Design and development of complete email back-end system: fault-tolerant distributed systems written in C++ running on up to 500 machines (commodity hardware) providing IMAP4, POP3 and LMTP services to more than 10 million users (mailbox size from 1Gb to 10Gb); projects including development of highly scalable distributed and redundant file system (capacity above petabytes). Also did some *apache web server* modules for access and bandwidth control.

	<b>Scientific Computing Lab, PUC-SP</b>	<b>2000 - 2003</b>
	<i>Systems Administrator:</i>	
	Administration of Linux, Solaris and AIX servers. Development of automated systems using C, C++, Java, PHP, Perl, Delphi, Bourne Shell.	
<b>Extension Courses</b>	<b>ScrumMaster Training at UOL Inc.</b>	<b>2008</b>
	Certified ScrumMaster (Scrum Alliance) by Boris Gloger and Andreas Schliep.	
	<b>Java Training at UOL Inc.</b>	<b>2004 - 2006</b>
	Several courses on Java technologies (Servlets, JSP, EJB, NIO, RMI, Generics, Struts, etc).	
	<b>Object-Oriented Design Patterns and Refactoring Primer</b>	<b>2003</b>
	Given by Joseph W. Yoder ( <i>University of Illinois</i> ) at IME-USP.	
	<b>Advanced Topics on Programming</b>	<b>2002</b>
	Summer course at IME-USP.	
	<b>Computation School Event</b>	<b>2000</b>
	Six one-week courses (real-time, concurrency, etc) at IME-USP.	
<b>Conferences</b>	<b>CEAS</b>	<b>2008 and 2009</b>
	Collaboration, Electronic messaging, Anti-Abuse and Spam Conference.	<a href="http://ceas.cc/">http://ceas.cc/</a>
<b>Projects</b>	<b>jOptimum - Linear Optimization System</b>	<a href="http://joptimum.iv.org.br/">http://joptimum.iv.org.br/</a>
	jOptimum is an integrated development environment for modeling and solving linear programs (continuous, integer or mixed). The problems are designed using its own mathematical modeling language (LPML), created mainly for teaching mathematical programming disciplines.	
	Project Status: <i>beta</i>	
<b>Publications</b>	De Campos, C. P.; Lucindo, R. P. F. L. . Uma ferramenta gráfica para otimização multilinear. In: Simpósio Brasileiro de Pesquisa Operacional, 2006, Goiânia.	
	<i>This paper describes the new algorithm for multilinear optimization implemented by jOptimum project. It was published on proceedings of The Brazilian Operations Research Symposium.</i>	
	Lucindo, R. P. F. L.; Witt, T.; De Campos, C. P.; Gruber, A. B. G.. <i>jOptimum: Um Sistema de Otimização</i> . In: CSBC Workshop de Educação em Computação, 2006, Campo Grande.	
	<i>This paper describes the jOptimum project and teaching experiences using it. It was published on proceedings of The Brazilian Computer Society Congress.</i>	
	De Campos, C. P.; Gruber, A. B. G.; Lucindo, R. P. F. L.. <i>Projeto BOCA</i> . In: II TIDIA Workshop, 2005, São Paulo. Anais do II Workshop TIDIA, 2005. p. 5-9.	
	<i>This paper describes the development of BOCA project, a web system for programming contests.</i>	
<b>Contests</b>	<b>ACM South America Programming Contest</b>	<b>2001 - 2003</b>
	PUC-SP team member in 2001 and 2002. Assistant coach of three PUC-SP teams in 2003.	
	<b>PUC-SP Programming Contest</b>	<b>2000 - 2003</b>
	Contest idealizer and creator. As competitor, first place in 2002.	
	<b>IME-USP Programming Contest</b>	<b>2001 - 2003</b>
	Seventh place in 2002 and 2003.	
<b>Languages</b>	Portuguese (first language), English.	