

FERNANDO SANTOS, PHD

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PROFILE

A write-enthusiastic coder with more than 10 years of experience developing Software in different fields, especially high performance Software for solving Optimization problems.

Expertise in modelling real-world problems in computer based structures and solving them using efficient algorithms. Strong background in Object Oriented Programming, Algorithms and Data Structures.

Analytical thinker who thrives on challenges and enjoys working in a team-based environment.

EDUCATION

University of Waterloo Postdoctoral Fellowship, Combinatorics and Optimization Dept.	<i>March 2015 - present</i>
Federal University of Minas Gerais - Brazil ¹ Ph.D. in Computer Science	<i>Mar 2009 - Dec 2012</i>
Federal University of Minas Gerais - Brazil ¹ M.S. in Computer Science	<i>Mar 2007 - Mar 2009</i>
Federal University of Viçosa - Brazil B.S. in Computer Science	<i>Feb 2003 - Mar 2007</i>

EXPERIENCE

University of Waterloo <i>Postdoctoral Fellowship</i>	<i>Mar 2015 - present</i>
Team-based research involving researchers from Canada and United States. Focus on implementing high performance algorithms in C/C++.	
Federal University of Itajuba - Brazil <i>Professor of the Computer Engineering Dept.</i>	<i>Mar 2010 - Feb 2015</i>
Development of research in the Computer Science and Optimization fields. Lecturer of courses: Parallel Programming; Object Oriented Programming; Data Structures I; Introduction to Algorithms.	
Synergia Software - Brazil <i>Test Analyst (part-time)</i>	<i>Dec 2007 - Aug 2008</i>
Successfully implemented unit tests and executed case tests to ensure high-quality software release.	

SKILLS

Languages	Portuguese (mother tongue), English
Computer Languages	C, C++, Java, Visual Basic .NET, Pascal, PHP
Operating Systems	Linux, Windows
Databases	MySQL

¹According to QS Top Universities ranking, the Federal University of Minas Gerais figures in 11th position in Latin America. Its Computer Science program is ranked in the range [151-200] in the world.