

# FERNANDO SANTOS, PHD

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## PROFILE

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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

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**University of Waterloo** *March 2015 - present*

Postdoctoral Fellowship, Combinatorics and Optimization Dept.

**Federal University of Minas Gerais - Brazil**<sup>1</sup> *Mar 2009 - Dec 2012*

Ph.D. in Computer Science

**Federal University of Minas Gerais - Brazil**<sup>1</sup> *Mar 2007 - Mar 2009*

M.S. in Computer Science

**Federal University of Viçosa - Brazil** *Feb 2003 - Mar 2007*

B.S. in Computer Science

## EXPERIENCE

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**University of Waterloo** *Mar 2015 - present*

*Postdoctoral Fellowship*

Team-based research involving researchers from Canada and United States. Focus on implementing high performance algorithms in C/C++.

**Federal University of Itajuba - Brazil** *Mar 2010 - Feb 2015*

*Professor of the Computer Engineering Dept.*

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** *Dec 2007 - Aug 2008*

*Test Analyst (part-time)*

Successfully implemented unit tests and executed case tests to ensure high-quality software release.

## SKILLS

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

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<sup>1</sup>According 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.