

## DENNIS RODRIGO DA CUNHA SILVA

Parasol Lab  
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### EDUCATION

Texas A&M University, College Station – TX. USA

**Doctor of Philosophy** in Computer Science (2015 – Present)

- Areas of Research: **Motion Planning, Artificial Intelligence, Robotics**
- Advisor: Prof. Dr. Nancy M. Amato

University of Pernambuco, Recife – PE. Brazil

**Master of Science** in Systems Engineering **GPA: 4.0/4.0** (2013 – 2014)

- Areas of Research: **Computational Intelligence, Swarm Intelligence, Science Networks**
- Advisor: Prof. Dr. Carmelo José Albanex Bastos Filho

University of Pernambuco, Recife – PE. Brazil

**Bachelor of Science** in Computer Engineering **GPA: 8.71/10.0** (2008 – 2012)

- Ranked 1<sup>st</sup> in class of 2012 (Computer Engineering)

### COMPLEMENTARY EDUCATION

- Porto Digital – Web Development (88h) (2014)
- Porto Digital – Project Management (60h) (2014)
- SEBRAE/PE – Entrepreneurship (60h) (2012)
- University of Pernambuco – Javascript and Ajax (20h) (2010)
- Inove - Introduction do Microsoft .NET Platform (20h) (2010)
- CCAA – English Course (2005 – 2010)

### HONORS AND AWARDS

- Microsoft Certified Professional- Programming in HTML5 with Javascript and CCS3 (2015 – 2019)
- CNPq Science Without Borders Scholarship (2015 – 2019)
- CNPq/CAPES Scholarship (2013 – 2014)
- Graduated with Honors (2012)
- Ranked 1<sup>st</sup> among all Polytechnic School of Pernambuco students, class of 2012.2 (2012)
- PIBIC/UPE Scholarship (2009 – 2010)

### RESEARCH AND WORK EXPERIENCE

Systems Analyst, **Suati** (2014 – 2015)

- Working on the development of a system information solution using Microsoft .NET technologies
- Hiring framework deployment in order to assist the scan and hiring process

Researcher, **Systems Engineering Dpt.** – University of Pernambuco (2009 – 2015)

- Worked on the development of Swarm Intelligence Multi-Objective techniques
- Developed a Multi-Objective techniques evaluator based on Science Networks
- Improved techniques for dealing with routing in Optical Networks

Software Developer, **Coeus** (2011 – 2014)

- Developer and owner of a Start-Up
- Worked on the development of several *apps* for mobile devices
- Created apps for Android, iOS and BlackBerry platforms

- Temporary Professor, **Business School – University of Pernambuco** (2013 – 2015)
- Teacher of the subject Introduction to Informatics
  - Mentored several FCAP Business Jr. projects
- Software Engineer Intern, **Foundation for Technological Innovations (FITec)** (2012 – 2012)
- Embedded systems development for dealing with fiscal operations
  - Electronic circuit improvement and Linux configuration
  - Created libraries to communicate using SOAP webservices
- Student Intern, **Parasol Lab - Texas A&M University** (2011 – 2011)
- Worked on the development of Standard Template Adaptive Parallel Library (STAPL)
  - Implemented a population-based optimizer using STAPL library
  - Advisor: Prof. Nancy Amato. Mentor: Harshvardhan
- Undergraduate Teacher Assistant, **University of Pernambuco** (2008 – 2012)
- Worked as an Undergraduate Teacher Assistant in the following undergraduate courses: Analytic Geometry, Logic for Computer Science, Object-Oriented Programming Language, Data Structure, Algebra Applied to Computing, Distributed Systems and Digital Image Processing

#### TECHNICAL EXPERTISE

##### Programming Languages:

- Desktop: C/C++/C# Java Python Assembly
- Web: HTML5 CSS3 JavaScript/JQuery
- Mobile: JavaAndroid ActionScript
- Microcontrollers: 8051 PIC

##### Database:

- MySQL SQLite SQLServer

##### Operational Systems:

- Windows XP/Vista/7/8 Ubuntu/Fedora

#### PUBLICATIONS

- Upon Request

