

EDUCATION

PERIOD	July 2009 — December 2014	
DEGREE	Bachelor in Computer Science	
UNIVERSITIES	The State University of Santa Cruz	Ilhéus, Brazil
	Algoma University	Sault Ste Marie, Canada
EXCHANGE	Science Without Borders - Brazilian Government.	

- Three years as **Student Researcher** sponsored by Higher Education Personnel Training Coordination (CAPES).
- **Theses in Computer Science:** Parallel Processing Using Hybrid Techniques for Applications in Transport of Particles based on Monte Carlo method. Technologies: NVIDIA CUDA, OpenMP e MPI.
- **EasyKanban (2012)**. Web-based application for project management; Tecnologias: HTML5, CSS3, SQL, JavaScript, PHP. *Awarded First Prize in Computer Science Software Engineering Class Contest.*
- **Application for compressing and encrypting text files** using Huffman algorithm which can reduce the file's size by 60%. *Awarded First Prize in Computer Science Programming Class Contest, (2010).*

PERIOD	April 2015 — In progress	
DEGREE	Machine Learning Engineer Nanodegree	
INSTITUTION	Udacity	

- For more information please refer to: <https://profiles.udacity.com/u/thallesilva>

WORK EXPERIENCE

PERIOD	May 2015 — Currently	
EMPLOYER	Eldorado Institute of Technology	Campinas, Brazil
POSITION	Software Engineer Jr	
LANGUAGES	C#, C++, JavaScript	

- Maintained an effective and constant interaction with project's customers.
- Scrum based methodology projects.
- Contributed to some of the most relevant projects in the field of image processing.
- One of the contributors of the internal Machine Learning research group.

PERIOD	May 2014 — November 2014	
EMPLOYER	Great Lakes Forestry Centre	Sault Ste Marie, Canada
POSITION	Researcher Junior	
LANGUAGES	R, Linux Shell Script	

- Led implementation of the R opentraj package for creating and analysing air trajectory data which was the main computational tool for a research project on insects' transportation.
- Developed scripts for executing software, such as *Hybrid Single Particle Lagrangian Integrated Trajectory Model* (HYSPLIT), without its GUI interface in order to redirect its results into the R environment.

PERIOD	March 2012 — June 2013 (Part Time)	
EMPLOYER	RCS Informática	Itabuna, Brazil
POSITION	Software Developer	
LANGUAGES	Delphi, HTML5, CSS3, JavaScript, PHP, MySQL	

- Developed and debugged software, such as Protocol System, Accounting System, and Daily Management System which led to a percent increase of 8% in revenue.
- Redesigned the Enterprise's website leading to a 20% reduction in customer supporting calls.
- Debugged existing software plug-ins for user management and report generation.

EXTRACURRICULAR ACTIVITIES

- English as a Second Language (ESL) - Canada
- Achieve Languages - Brazil
- Udacity Introduction to Computer Science Building a Search Engine
- Udacity Introduction to Parallel Programming using NVIDIA CUDA
- University of California, Santa Cruz + Coursera, C++ for C Programmers
- Udacity Introduction to Machine Learning.
- Udacity Deep Learning
- Udacity Objected Oriented JavaScript
- Udacity JavaScript Design Patterns

SKILLS

LANGUAGES	C; C++; C#, Java; R; HTML; PHP; Python; SQL; CUDA; OpenMP; MPI;
DATA BASES	MySQL, PostgreSQL, Oracle Enterprise Edition;
TECHNOLOGIES	Eclipse; NetBeans; SVN; Git; Visual Studio
CERTIFICATIONS	JavaScript;
OPERATING SYSTEMS	Linux; MAC OS; Windows;
FRAMEWORKS AND LIBRARIES	AngularJS, KnockoutJS, TensorFlow, Sklearn

LANGUAGES

- English and Portuguese

REFERENCES

- **Dr Jean-Noel Candau**, Scientist, Great Lakes Forestry Centre, Sault Ste Marie, Ontario, Canada. *Jean-Noel.Candau@NRCan-RNCan.gc.ca*
- **Dr Esbel Tomás V. Orellana**, Teacher, The State University of Santa Cruz, Ilhéus, Brazil. *valero.esbel@gmail.com*
- **Mydiã Falcão Freitas**, Software Engineer, RCS Informática, Itabuna, Brazil. *mydyfreitas@gmail.com*