

Vinicius GRAVINA DA ROCHA

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CURRENTLY IN: Florianópolis, Brasil

WORK EXPERIENCE

PRESENT 2014	Consultant at COST HOUSE, Brasil 1) Cost understanding and cost engineering for mid-size to large companies by implementing <i>Activity Based Costing</i> (ABC) and <i>Activity Based Budgeting</i> (ABB) models 2) Specifications for the development of the ABB module to equip Valoptia Software Suite 3) Data visualization improvements by implementing tools in d3js and JavaScript.
PRESENT 2013	Founder & Consultant, BOECHAT & GRAVINA SMART SOLUTIONS, Brasil 1) Business model for a small company and development of a web-application for customer relationship, accounting and inventory control in Django/Javascript 2) Platform to forecast Eurostoxx-50 and European Energy Futures in Clojure 3) Development of Optical Character Recognition (OCR) Systems for car plates, Driver's License and Vehicle Registration Certificate 4) Real-time application for sports performance in Delphi 5) Development of an algorithmic trader for the cryptocurrency market.
2011-2014	Team Leader in the Decaptcher Project at NEOWAY, Brasil 1) Coordination of a small R&D team to develop automatic CAPTCHA recognition systems for web crawlers using Java, Clojure, image processing, artificial intelligence and statistical analysis 2) Indicators and standardization of procedures to deploy Decaptchers in production.
2008-2009	Internship at J. P. MORGAN, Brasil, as Stock Analyst Assistant 1) Valuation, forecast and reports for the companies in the Telecom, Media and Technology (TMT) sector 2) Marketing presentations and products for customers.
2007	Internship at DASSAULT SYSTEMES, France, as Software Engineer Specification, development and implementation (in C++) of a smart assembly algorithm for CATIA (worldwide CAD leader).
2006	Internship at AIRBUS DELIVERY CENTER, France, as Aircraft Mechanic Assistant Final checks and adjustments of aircrafts before delivery.

COMPUTER SKILLS

Programming paradigms	Functional (Clojure, EmacsLisp, JavaScript) Object Oriented (C++, Java, Python, Delphi) Scripting (BASH, Excel/VBA) Memory Managed (C) Mathematical Modeling (AMPL) Numerical Computing (MatLab, Octave) Markup Language (HTML/XML, LaTeX) Declarative (SQL, RegExp)
Softwares	Django, d3js, Linux, Git, SVN, Mongo, {Postgre, My}SQL, Apache, Tomcat, Microsoft Project Pro, Office Suites, SolidWorks, Matlab/Simulink, Windows, DOS

LANGUAGES

PORTUGUESE: Mother tongue
ENGLISH: Proficient, IELTS 8/9, exam held on January 2012
FRENCH: Proficient, 4 years lived in France. ETS-TFI 915/990, held on October 2006

FORMAL EDUCATION

2010-2013 Master's degree in AUTOMATION AND SYSTEMS ENGINEERING, UNIVERSITY
FEDERAL DE SANTA CATARINA - UFSC, Brasil

2005-2007 Engineer Master's Degree, ECOLE CENTRALE NANTES, France
Degree while on double diploma with an Eiffel-Égide excellence grant.

2003-2009 Bachelor in Mechanical Engineer (*cum laude*), UNIVERSIDADE FEDERAL DO
RIO GRANDE DO SUL - UFRGS, Brasil

COMPLEMENTARY EDUCATION

PRESENT Studying for Certificado Nacional do Profissional de Investimento, CNPI
2014 (*National Certificate for Investment Professionals*), Brasil

INTERESTS AND ACTIVITIES

I enjoy learning new things and getting to know different people and cultures.

The domains I'm more interested are computer science, economics, investment, finances, psychology, engineering and science fiction. I'm currently studying Haskell and Austrian Economics.

I also like to practice sports, like surfing, trail running, sailing and mountain biking.