

# ALANTIEL FREIRE MARINS

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## PERSONAL INFORMATION

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## OBJECTIVE

To use my knowledge, in accordance with current standards of technology, always developing them in the area of advanced computing, mathematics and sciences in general.

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## EDUCATION

- 2014-2015 Instituto de Matemática e Estatística da Universidade de São Paulo **IME / USP**  
**M.S. in Computer Science at Instituto de Matemática e Estatística (IME)**
- Member of the Research Group in Combinatorial Optimization and Machine Learning
  - Focus on Optimization Algorithms, Graphs and Machine Learning
- 2011-2014 Instituto de Matemática e Estatística da Universidade de São Paulo **IME / USP**  
**B.S. in Applied Mathematics at Instituto de Matemática e Estatística (IME)**
- Second undergraduate course: focus on Linear Programming, Linear Algebra and Algorithms **(IME)**
- 2006-2010 Faculdade de Tecnologia **Fatec**  
**B.S. in Computer Science with emphasis in Business Management**
- First undergraduate course: focus on OO Programming, Design Patterns, Data Structure and Algorithms

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## EXPERIENCE

- 2016-current **Job title:** Systems Analyst  
**Activities :** Redesign of recurring payment system with new technologies such as Docker, Spring Boot (and its stack), and Reactive Programming  
**Employer :** PagSeguro
- Study and implementation of technologies in new architecture
  - Responsible for managing agile team as Agile Master (kanban/kaizen)
- 2015-2016 **Job title:** Full Stack Developer  
**Activities :** Creation of web and mobile solutions for an e-commerce focused on men's grooming/hygiene products.  
**Employer :** Men's Market

- Integration with external services in a complete shopping flow
- Responsible for adopting agile development techniques (kanban/kaizen)
- Data analysis

2012–2015

**Job title:** Systems Analyst

**Activities :** Analysis and development of e-commerce systems with high level programming languages

**Employer :** Universo Online - UOL

- Implementation of products and services of the biggest news site of Brazil with Java and PHP
- Use of agile development techniques
- Development of projects with MVC
- Presentation of techniques theme on development in workshops

2008/09–2012/11

**Job title:** Webmaster

**Company :** Universo Online - UOL

**Activities :** Development of high court systems with client side technologies

- Implementation of products and services of the biggest news site of Brazil with Javascript/JQuery
- Creation of rich interfaces by using HTML5
- Working in projects with agile methodologies such as Scrum and Kamban
- Creation of automated tests with Selenium

2008/05–2008/09

**Job title:** PHP programmer

**Company :** Savoir Tecnologia e Desenvolvimento

**Activities :** Development creative sites for big companies with different technologies

- Implementation of various projects for external companies with PHP and AJAX
- Database modeling
- Development of layout's with XHTML and CSS

2008/02–2008/05

**Job title:** Computing teacher for tourism students

**Company :** Serviço Nacional de Aprendizagem Comercial – Senac

**Activities :** Teaching basic computer skills and professional attitude to technical course in Tourism.

- Microsoft Office class and professional environment.
- Internet tips and tricks

2006/06–2008/05

**Job title:** PHP programmer/ Web designer

**Company :** Mark Tecnologia da Informação

**Activities :** Implementation of the company's main system modules and site development of external clients

- Implementation of systems with PHP
- Development of layout's with XHTML and CSS
- Participation in changes of the company's system, supporting the update from version 3 to 7
- Database modeling and maintenance
- Development of ERP system used for sales, reports and history log

2006/02–2006/06

**Função:** Microsoft Office and web design teacher

**Company :** Cenap Cursos

**Activities :** teaching and support the automation of tasks

- Office classes
- HTML/Javascript with and without IDE's tools
- Database modeling for clients log
- General systems for tests and automation of tasks

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## LANGUAGES

- **Technical English** (good reading and comprehension)
- **Technical Spanish** (good reading and comprehension)
- **Portuguese** (native)

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## OFFICIAL CERTIFICATIONS

- **SCJP** Sun Certified Java Programmer 1.5 (approved with 86%)
- **SCJA** Sun Certified Java Associate 1.0 (approved with 82% na aprovação)
- **MCSD 70-480** Programming with HTML5, Javascript and CSS3 (approved with 86%)

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## COURSES

- **Caelum** SOA in practice: integration with web services and messaging
- **Advanced topics in programming** Summer course at IME-USP: Guilherme Puglia
- **Algorithms: Design and Analysis, Part 1** Coursera (Stanford)
- **Machine Learning** Coursera (Stanford)
- **Introduction to Mathematical Thinking** Coursera (Stanford) **with distinction**
- **Java academy** preparation for SCJP certification - Globalcode
- **Applied Mathematics** Modules: P(0), P(1), P(2), P(-1) - Prandiano course, Agnaldo Ricieri
- **Computer programmer** (Delphi, Visual Basic, logics, SQL Server e database modeling) - Senac Consolação
- **Mysql** Center for diffusion of technology and knowledge
- **Web design** (HTML, Dreamweaver, Fireworks, Flash) Cenap
- **Web Programming** (PHP, MYSQL) - UNICAMP online
- **Web Standards** (XHTML, CSS e padrões web) - UNICAMP university online
- **Office XP**(Word, Excel, Power Point, Outlook, Multimídia, MS-Dos, Frontpage, Publisher, Windows) Microcamp
- **Hardware** (maintenance of microcomputers) - Cenap
- **English** III e IV - My English Online (MEC/Capes)
- **Essentials English** I, II e III - Cel lep Paulista
- **English** (reading and comprehension) Microcamp
- **Spanish** (reading and comprehension) Microcamp

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## SIDE PROJECTS

- **Fuvest 2013** First and second phases of the university entrance exam 2013: worked as a judge in UMC Villa Lobos
- **IME-USP 2013** Monitor Summer Course 2013 - Application development in PHP
- **Colégio São Domingos 2012** Judge in a term paper project (about Games and Sociology)
- **FFLCH-USP 2008** Development of a site with dynamic content management for research project group at USP

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## ACHIEVEMENTS IN COMPUTING

- **2009** Development of control of lab computers use system for Fatec
- **2008** iMasters columnist - [www.imasters.com.br](http://www.imasters.com.br)
- **2008** ACM International Collegiate Programming Contest, represented Fatec getting ranked 12th in the regional stage of São Paulo, C / C++
- **2008** Participated in the challenge of developing Data Access with Visual Basic
- **2007** ACM International Collegiate Programming Contest, represented Fatec getting ranked 13th in the regional stage of São Paulo, C / C++

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## EVENTS AND CONFERENCES

- **Software Design in the 21st Century** at USP with Martin Fowler.
- **QCon 2015** São Paulo - The most important conference of development in the world.
- **Web Intents - A evolução dos serviços web. 2012.** I talked about web intents and its use on UOL tech day
- **The Developers Conference 2012 - Python e Front End tracks** São Paulo - Globalcode (Development with Python, Noje.js, Front End Architecture, Frameworks, Trends)
- **Google Developer Day 2011** WTC São Paulo - Google
- **Android Bootcamp** USP-GTUG, where I participated in a group of 70 students from USP
- **Applied mathematics to life** - Math Museum - São Paulo - with Agnaldo Ricieri
- **Training methods for programming challenges of Moscow University** IME-USP with Petr Mitrichev
- **Imasters Intercon 2009** São Paulo
- **HTML5** - Presentation given by representatives of W3C for UOL
- **The Developers Conference 2008** São Paulo - Globalcode (lecture by various national and international experts in Java and methodologies, including Ed Burns, Reza Rahman and Burr Sutter)
- **Social uses of the Internet 2008** Senac
- **Internet: Past, Present and Future 2008** Senac and W3C
- **IX Technology Week Fatec São Paulo 2008** Fatec São Paulo
- **VIII Technology Week Fatec São Paulo 2007** Fatec São Paulo

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## INTEREST AREAS

Some areas that I have more interest and focus

- **Computer science** machine learning, artificial intelligence, object-oriented and structured programming, databases, algorithms, data structures, web development
- **Mathematics** combinatorial optimization, linear algebra, mathematical modeling

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## WEBSITE

[www.alantiel.com](http://www.alantiel.com) Technical features:

- **Technologies:** XHTML, PHP, AJAX, XML, XSLT, CSS, Javascript and MySql
- **Indexed** by research tool like Google and Bing
- **XHTML** verified and validated by the agency W3C (web standards)
- **CSS** verified and validated by W3C (web standards)
- **Layout** functional on all major browsers and resolutions