

## Antônio Guilherme Ferreira Viggiano

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### INFORMATION TECHNOLOGY INTERNSHIP

#### Education

- 2011 — 2013 **Master of Engineering (Multidisciplinary)**, *École Centrale Marseille*, Double Degree.  
**Emphasis: Information Technology and Digital Society**  
Structures and Data Processing, Artificial Intelligence, Data Mining, Digital Economy and Ethics
- 2009 — 2014 **Bachelor of Engineering (Mechatronics)**, *Universidade de São Paulo*.  
(expected) Numerical Calculus, Computing Applied to Mechatronics, Linear Algebra, Probability and Statistics

#### Experiences

- Jun-Jul 2013 **Software Development Intern**, *Asert Tecnologias*, Brazil.  
(2 months) - Development of an Enterprise Resource Planning system in Java and Flex
- August 2012 **Intern**, *Gemalto S.A.*, France.  
- Operated credit card personalization machines and acquired work environment familiarization
- 2012 **Project Manager**, *École Centrale Marseille*.  
- Lead a group of seven students in the development of a platform sensitive to various pollutants performing real-time monitoring of the air quality
- 2012 **President**, *International Centrale Marseille*, Students' association.  
- Responsible for the integration of exchange students and for the international mobility
- 2011 **Undergraduate Scientific Researcher**, *Laboratory of Environmental and Biomedical Engineering*, *Universidade de São Paulo*.  
Researcher in the bioengineering area, responsible for the development of a filter which separates images of ventilation and perfusion in electrical impedance tomography
- 2010 **Numerical Calculus Monitor**, *Universidade de São Paulo*.  
- Corrected assignments written in C and supervised tests

#### Computer Skills

Programming Languages	<b>C/C++, Java, Python</b> Prolog, Scala, R	Operational Systems	<b>Linux</b> , Windows, Chrome OS
Database	<b>SQL Server, SQLite3</b> , MySQL	Web	HTML/CSS, JavaScript, PHP
Software	emacs, MATLAB, Visual Studio	Others	LaTeX

#### Language Skills

Portuguese	<b>Native language</b>
French	<b>Advanced</b> DALF C1 ( <i>Diploma of Advanced French Language Studies</i> )
English	<b>Advanced</b> TOEIC (975 out of 990 points)
Japanese	<b>Basic</b>

#### Projects

- Artificial Intelligence Developed a Java expert system to suggest travel destinations based on user input data.  
*Implemented the forward and backward chaining methods and designed the GUI in Swing*
- Data Analysis Developed a Java to establish serial data communication with a Xbee radio module.  
*Wrote the documentation and employed Git version control system*