

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	C/C++, Java, Python Prolog, Scala, R	Operational Systems	Linux , Windows, Chrome OS
Database	SQL Server, MySQL, SQLite	Web	HTML/CSS, JavaScript, PHP
Software	emacs, MATLAB, Visual Studio	Others	L ^A T _E X

Language Skills

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

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