

Antonio Guilherme Ferreira Viggiano
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Education

- 2011 — 2013 **General Engineering (Master's degree)**, *École Centrale Marseille (ECM)*, Double Degree.
Emphasis on Information Technology and Digital Society, GPA 3.9 out of 4 (top 5%)
- Eiffel Excellence Scholarship award by the French Ministry of Foreign and European Affairs.
 - President of the International Centrale Marseille students' association for 1 year, responsible for coordinating a group of more than 20 students in the reception and integration of exchange students.
 - Led a group of 7 students in a 1-year project of developing a real-time air quality monitoring platform based on microcontrollers and gas sensors.
 - Participated in the organization of the "Traversée du Vieux Port 2012", an annual event held by ECM students consisting of teams building rudimentary boats to race against each others in the city old harbor.
- 2009 — 2014 **Mechatronics Engineering (Bachelor's degree)**, *Universidade de São Paulo (USP)*.
Ranked 2nd best student, ponderated average 8.2 out of 10 (top 5%)
- Numerical Calculus Teaching Assistant for 6 months, responsible for giving extra courses, correcting programming assignments and supervising exams
 - Numerical Calculus Tutor for 6 months, helping students with tests and programming exercises
 - Undergraduate Scientific Researcher in the Bioengineering Laboratory for 8 months, having developed a filter that separates images of ventilation and perfusion in electrical impedance tomography
 - Participated in the students' robotics team for 1 year, getting the second place in two national competitions

Professional Experience

- Nov 2014 – **Co-founder & Tech Lead**, *BelugaDB*, Brazil.
- Aug 2017
- BelugaDB is an end-to-end big data solution aimed at providing real-time insights to internet companies
 - Responsible for developing a high-performance distributed columnar database capable of handling terabytes of data in milliseconds, which outperformed the industry's open-source standard in some benchmarks
 - Participated in the main areas of the company, including the data storage, data extraction and data visualization solutions
 - In charge of selecting and mentoring the new hires, as well as of documenting the system's architecture and helping establish the company's business strategy
- August 2012 **Summer Discovery Intern**, *Gemalto S.A.*, France.
- Operated credit card personalization machines and acquired work environment familiarization

Additional Information

- 2012 **Project Manager**, *École Centrale Marseille*.
Lead a group of seven students in the development of a real-time air quality monitoring platform
Built a Java program to establish serial data communication with Xbee radio modules
- 2012 **President**, *International Centrale Marseille*, Students' association.
Responsible for the integration of exchange students and for the international mobility
- 2011 **Undergraduate Scientific Researcher**, *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

Computer Skills

- | | | |
|-----------------------|--|-----------------------------------|
| Programming Languages | C/C++, Java, Python Prolog, Scala, R | Linux , Chrome OS, Windows |
| | | Operational Systems |

Database **MS SQL Server, SQLite, MySQL**

HTML/CSS, JavaScript, PHP

Web

Software **Emacs, Eclipse**, Matlab, Visual Studio

Git, Amazon AWS, \LaTeX

Others

Language Skills

Portuguese Native

French Fluent (DALF C1)

English Fluent (TOEIC 975/990)

Japanese Basic

Spanish Basic

Extra-Curricular Activities and Projects

Politics & Open Data Participation in the *Radar Parlamentar* open source project, a website that determines political parties similarities based on mathematical analysis of parliamentary votes

Transport Developed a crowdsourcing web application to monitor public transport in São Paulo
Second best project among over 50 participants of the São Paulo Public Transport Hackathon

Data Mining Developed a Django/Python website to search data inside free ebooks from the Project Gutenberg

AI Developed a Java expert system to suggest travel destinations based on user input data