

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 a big data platform that provides real-time insights through dashboards and machine learning recommendations
 - Lead a group of 4 senior programmers as the lead database developer.
 - Responsible for developing a high-performance distributed columnar database capable of handling terabytes of data in milliseconds, outperforming the industry's open-source standard in some benchmarks
 - Participated in the main areas of the company, namely the data storage, data extraction and data visualization divisions, as well as in strategic planning meetings with senior management.
 - In charge of the hiring process, as well as of the onboarding and mentoring of new employees
- Mar 2014 – **Software Engineer Intern**, *Revmob Mobile Ad Network*, Brazil.
- Out 2014
- Revmob is the leading mobile ad networks when it comes to monetization of iOS, Android and Amazon.
 - Lead a task force of 3 people which reduced web fraud by 80% by analyzing suspicious traffic from different data sources and request patterns
 - Lead the integration team of 5 people which increased the revenue of publishers by 15% by partnering with demand-side platforms and adapting the company's software development kit to comply with newer industry standards
 - Helped design and lead the onboarding process of the company by structuring programming crash courses, culture meetings and other activities with new hires
 - Helped restructure the company's security policies by adopting AWS security guidelines

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 <i>Radar Parlamentar</i> 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