

Antonio Guilherme Ferreira Viggiano
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Education

- 2011 — 2013 **General Engineering (Master's degree)**, *École Centrale Marseille*, 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 one-year project to develop a real-time air quality monitoring platform using microcontrollers and gas sensors
 - Participated in the organization of the "Traversée du Vieux Port 2012", an annual event held by the students consisting of teams building rudimentary boats to race against each other in the city's old harbor
- 2009 — 2014 **Mechatronics Engineering (Bachelor's degree)**, *Escola Politécnica, Universidade de São Paulo*.
Ranked 2nd best student, pondered average 8.2 out of 10 (top 5%)
- Thesis: Proposal of a recommender system algorithm and development of a software library for the recommendation of products in e-commerce
 - 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.
— *BelugaDB is a big data platform that provides real-time insights through dashboards and alarms*
- Aug 2017
- Managed a group of 4 senior software engineers as the lead database developer
 - Designed and developed most of the high-performance columnar database, including its compressed bitmaps index strategy, its search algorithms and its distributed architecture, which was capable of processing terabytes of data in milliseconds, outperforming some of the industry's benchmarks
 - Participated in the main areas of the company, namely the data storage, data extraction and data visualization divisions, as well as in strategic meetings with senior management
 - Took part in the hiring, onboarding and mentoring of new employees
- Mar 2014 **Software Engineer Intern**, *Revmob Mobile Ad Network*, Brazil.
— *Revmob is one of the leading mobile ad networks when it comes to monetization of iOS & Android*
- Out 2014
- Lead the integration team of 5 people which increased the revenue of publishers by 15% by partnering with demand-side platforms and updating the company's software development kit to comply with new standards
 - Lead a task force of 3 people in the development of an algorithm which reduced web fraud by 80% by applying a set of rules to suspicious traffic data and request patterns
 - Helped design and lead the onboarding process of the company by structuring programming crash courses, culture meetings and off-site activities with new hires
 - Helped restructure the company's security policies by adopting best practices and guidelines

Additional Information

- Languages **Portuguese** Native **French** Fluent (DALF C1) **English** Fluent (TOEFL 113/120)
Spanish Intermediate **Japanese** Basic
- Programming Proficient in C/C++, Node.js, Bash, AWS and related technologies; open source contributor and author of the redis-roaring compressed bitmap library, one of the top 10 most starred Redis modules in the world; developed a crowdsourcing app in the São Paulo Public Transportation Hackathon and got the second place among over 50 teams
- Hobbies Guitar playing (member of a rock band, having played in many small concerts), traveling (studied in different cities in France for more than 2 years and visited over 20 countries in Europe, Africa, America and Asia); table tennis (participated in a state competition); e-learning (completed over 10 online courses in a wide range of subjects, from Philosophy to Quantum Physics)