

## André Thomaz Gandolpho de Mello

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<https://github.com/atgmello> | <https://gitlab.com/atgmello>  
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### Key Technical Skills

Software engineer looking for interesting opportunities in data related fields.

- **Programming Languages:** Python, Julia, SQL, Java, JavaScript, C.
- **Main Libraries:** Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn.
- **Tools:** Emacs, Vim, Jupyter Notebook, Linux, Git, L<sup>A</sup>T<sub>E</sub>X, Docker.
- **Languages:** Portuguese – Native. English – Fluent. German – Beginner.

### Experience

**Data Scientist** Nov, 2020 – Present  
Big Data & Analytics @ **Stefanini Scala**, São Paulo, SP

One of the persons responsible for architecting and developing a scalable data scraping solution. This project aims to periodically extract data from different mobile applications as well as normalize and enhance this data according to customer needs. Tech stack: Google Cloud Platform, Python, PostgreSQL.

**Software Engineer** Aug, 2020 – Nov, 2020  
Data & AI @ **Accenture Technology**, São Paulo, SP

Responsible for maintaining a web based analytics platform. The platform presents clients with rich dashboards using data gathered from their Virtual Assistant's log. The Assistant serves more than 600.000 users per month, generating 110.000 conversations/day. Implemented a speed up of more than 6x in the ETL workload. Tech stack: IBM Cloud, Python, Elasticsearch, DB2.

### Education

**MSc.**, Computer Science Mar, 2017 – Oct, 2020  
Institute of Mathematics and Statistics – University of São Paulo (USP)  
**GPA:** 3.53 **Area:** Regression, Optimization, Machine Learning

**BSc.**, Information Systems Mar, 2013 – Dec, 2016  
School of Arts, Sciences and Humanities – University of São Paulo (USP)  
**GPA:** 3.22 (3rd place out of 70) **Area:** Automated Planning, Heuristic Search

### Projects and Extracurricular Activities

**DS4A: Elite Data Science Training** Feb, 2020 – May, 2020

DS4A is a program for empowering top ML and AI talents, offered by Correlation One and SoftBank. Classes led by a Harvard professor, with a total of 375 hours of coursework. Received a merit-based full scholarship. Graduated with an Honors badge, stating job-readiness in Data Science. My team's capstone project was awarded as one of the **Best Overall Projects**, reaching the Top 8 out of 48 projects and being able to compete in the Grand Final. Source code available at my [GitHub page](#).

**Meli Data Challenge** Nov, 2020 – Dec, 2020

Recommendation challenge. Reached Top 60 (user *atgmello*). Solution heavily based on feature engineering, heuristics and NLP techniques. Focus on reproducibility and engineering best practices (MLOps). Source code available at my [GitHub page](#).