

# Tomas Carvalho

Senior Data Analytics & Business Intelligence Engineer

✉ tomas.jpeg@gmail.com | [in](#) LinkedIn | [Portfolio](#) | [Github](#)

## Summary

As an accomplished Senior Data Analytics Engineer passionate about technology and sustainability, I have been thriving for 7+ years on turning data into actionable insights and empowering business decision-making.

**Skills:** Python, SQL, PostgreSQL, dbt, AWS, Google Cloud Platform, Tableau, Looker Studio, Metabase, Git (Github/GitLab), Docker, Terraform, GIS (PostGIS, QGIS, Google Earth Engine, GeoPandas)

## Work Experience

### Greenpeace International

Remote - Global

Senior Business Intelligence Developer

Jun 2023 - Present

- Build and support data tools, platforms, and governance, offering consulting and advising services
- Design, develop, and maintain data models and dashboards for senior and C-level marketing stakeholders
- Evaluate needs, propose solutions, define KPIs, and monitor progress aligned with the global technology vision
- **Tech:** Python, SQL, GCP (BigQuery), AWS (Redshift), dbt, Tableau, Looker Studio, Git (Github, GitLab), Airbyte, Asana

### eNe

Remote - Brazil

Software Engineer

Ago 2023 - February 2024

- Translating business requirements into OLTP data model, designing and developing cloud infrastructure and APIs for geospatial products (fertilizer recommendation system, satellite images, and more) for big bio-energy companies
- **Tech:** Python, AWS (CLI, VPC, EC2, RDS, API Gateway, Lambda, S3, ECR), Terraform, Docker, Github

### Stockholm Environment Institute

Stockholm - Sweden

Data Scientist

May 2021 - May 2023

- Developed analytics dashboards for model quality assurance, data exploration, and KPIs presentation
- Performed ETL/ELT processes to define international trade, agriculture, and socio-environmental data analysis metrics.
- Produced data-driven reports and led webinars for non-technical audiences.
- **Tech:** Python, PostgreSQL/PostGIS, AWS (S3, EC2, ECS, ECR, ElasticBeanstalk, RDS), Git/Github, Metabase, Docker, Asana

### Institute of Forest and Agriculture Management and Certification

Piracicaba - Brazil

Geospatial Data Analyst

Jul 2018 - May 2021

- Developed multi-dimensional data models and performed ETL on data for Brazil's soy, beef, and timber supply chains.
- Co-created a full-stack app to track 150+ sustainable farms in the Amazon region, benefiting managers and donors
- Collaborated on multi-million USD Agile projects supported by NASA/USAID, Moore Foundation, and NORAD
- **Tech:** Python, PostgreSQL/PostGIS, JavaScript, ReactJS, Node.js, Git/Github, Bash, Google Earth Engine, QGIS, ArcGIS, Scrum

Geospatial Data Analyst, Intern

Nov 2016 - Jul 2018

- Perform data modeling, ETL, and analysis on tabular and spatial data, producing impactful ESG reports.
- **Tech:** Python, PostgreSQL/PostGIS, Git/Github, Google Earth Engine, QGIS, ArcGIS, Scrum

## Education

### Georgia Institute of Technology

Georgia - USA

MASTER OF SCIENCE, Computer Science

2024 - 2027

### University of São Paulo (POLI-USP)

São Paulo - Brazil

POSTGRADUATE DEGREE, Data Engineering & Big Data

2023 - 2024

### University of São Paulo (ESALQ-USP)

Piracicaba - Brazil

BACHELOR OF SCIENCE, Environmental Management

2015 - 2018

## Languages

### English

FLUENT

### Spanish

FULL PROFESSIONAL PROFICIENCY

### Portuguese

NATIVE

## Courses & Certifications

---

2024	Introduction to Analytics Engineering - 40 hours	Analytics Engineers Club
2023	AWS Certified Cloud Practitioner	Amazon Web Services
2023	dbt Fundamentals	dbt Labs
2023	TOEFL iBT Exam - 108/120 (valid until feb 2025)	ETS
2022	Getting started with AWS Glue	Amazon Web Services
2022	Lakehouse Fundamentals	Databricks
2022	Databases: Advanced Topics in SQL - 20 hours	Stanford University
2022	Databases: Semistructured Data - 16 hours	Stanford University
2022	Data Engineer - 73 hours	DataCamp
2021	Data Scientist (Python) - 88 hours	DataCamp
2020	TOEFL iBT Exam - 101/120	ETS
2020	Full-Stack JavaScript - 160 hours	Rocketseat
2020	Spatial Data Science: The New Frontier in Analytics - 30 hours	ESRI
2019	Tableau Software - 16 hours	Keyrus

## Volunteer Experience

---

<b>University of São Paulo - Teaching Assistant</b>	Piracicaba - Brazil
Three disciplines related to Geospatial technologies and Environmental Impact Assessment for 150+ students	2016 - 1 year
<b>Orphanage Home of the good boy</b>	Piracicaba - Brazil
Help in the 'Planting and Learning' Orphanage's Project which has a socio-environmental pedagogical approach	2015 - 20h
<b>Task forces to implement organic gardens and agroforestry systems</b>	Americana - Brazil
Help 20+ needy rural smallholder families to implement food production systems	2011-2013
<b>World-Wide Opportunities on Organic Farms (WWOOF)</b>	Córdoba - Argentina
Working on an organic farm, helping with organic vegetable gardening and organic waste management	2013 - 2 weeks

## Hobbies and Interests

---

- Hiking and running
- Yoga and meditation
- Reading novels and poems