DIEGO CAMARGO

OBJECTIVE OVERVIEW

To leverage my background in public transportation project and data analysis to contribute effectively to a dynamic team, while continuing to develop and expand my skills in an innovative work environment.

RELATED WORK EXPERIENCE

Professor EBTT, 08/2018 - Present
Centro Federal de Educação Tecnológica de Minas Gerais - Belo Horizonte, MG

- Professor in the Civil Engineering program - DECMA (Curvelo Campus - from July 2018 to October 2019). Taught courses: Elements of Transportation Planning; Highways I; Highways II; Railways; and Special Topics in Transportation.
- Professor in the Transportation Engineering program and Technical courses in Traffic and Highways - DET (Nova Suíça Campus - Belo Horizonte). Taught courses: Geoprocessing; Geoprocessing Laboratory; Road Projects Laboratory; Introduction to Traffic Engineering; Fundamentals of Traffic Engineering; Geospatial Data Analysis using SQL and Python programming languages.
- Using software such as QGIS, Aimsun, and spreadsheets to supplement educational materials, thereby fostering the enhancement of students' skills and competencies.
- Research project involving the development of a QGIS Plugin using GTFS data (city of Belo Horizonte) and bus stop demand data. Project in progress using the Python programming language for QGIS (PyQGIS).
- Extension project called Mobiliza CEFET-MG (https://www.youtube.com/@MobilizaCEFETMG) aimed at providing tutorial videos for technicians and students of transportation engineering.

Assistant professor, 02/2017 - 08/2018
Universidade Federal de Goiás - Catalão, GO

- I taught the following courses in the civil engineering program: Transportation Planning; Pavement Design; Traffic Engineering; Highway Design 1; Highway Design 2; Technical Drawing 1.
- Assistance to students and course coordination, presenting suggestions and clarifying doubts about the offered disciplines.
- Guidance for course completion papers and research projects.

Author of educational materials, 07/2017 - 12/2017
Kroton Educational SA - Remote

- Production of educational materials for the Ports and Navigable

SKILLS AND COMPETENCES

- Skills in SQL programming language (PostgreSQL/PostGIS database management);
- Skills in Python programming language - Geospatial libraries and PyQGIS usage;
- Process automation with Python;
- Notion for project management;
- Responsibility and autonomy for remote work execution;
- Willingness for continuous learning and improvement.

IDIOMAS

Portuguese: Mother tongue
English: B2
Intermediate
Spanish: A1
Beginner

Waterways course (6 handouts, respective classroom materials, and study guides)

Transportation Engineer, 03/2015 - 02/2016
IPK Projetos LTDA - Piracicaba, SP

- Company providing consulting services in Urban Public Transportation, mainly focusing on operational analysis (verification of service frequency, demand, supply, and operational costs).
- Main activities: registration of operational information in proprietary software, data organization and processing. Participation in projects for restructuring urban public transportation systems, analyzing passenger demand data, and developing service offering proposals.
- Development of tools for demand and operation data management (using MySQL and Visual Basic for Applications), enabling the generation of managerial information/reports for decision-making.

Intern, 07/2011 - 12/2011
Karunya University - Coimbatore, Chenai, India

- Internship carried out at the Water Institute, participating in meetings and classes. Project developed in the laboratory.
- Project: Hybrid treatment; using electrocoagulation and natural coagulants for effluents from textile industries.

EDUCATION

Master's degree, **Transportation engineering**, 03/2013 - 10/2016
Universidade de São Paulo - São Carlos**,** SP
Status – Completed
- Title: Analysis of bus drivers' behavior and its relationship with the traffic accidents: case study in Ribeirão Preto city.

Bachelor of Civil Engineering, 02/2007 - 02/2013
Escola de Engenharia de Piracicaba - EEP - Piracicaba, SP
Status – Completed

CERTIFICATIONS

- Excel: How to Create a Dashboard (LinkedIN/2020)
- Educational Project Management (ENAP/2023)