

João Batista de Oliveira Libório Dourado

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Edmonton, AB

Summary

Civil engineer, Specialist in Reinforced Concrete and Foundations and Master in Materials Science and Engineering. MSc. student in Geotechnical Engineering, at the University of Alberta since May 2023. Dedicated professional, with 10+ years of experience in all phases of engineering operations.

Education

Master of Science in Geotechnical Engineering

University of Alberta, Edmonton, AB, Canada

May 2023 – Present

Research Area: Field load testing of screw piles under axial loading in cohesive and cohesionless soils

Expected Date to Completion: April 2025.

Master of Science in Materials Science and Engineering

Federal University of Piaui, Teresina, Brazil

Jan 2018 – Dec 2019

Specialization in Reinforced Concrete Structures and Foundations

INBEC, Teresina, Brazil

Aug 2013 – Aug 2015

Bachelor's degree in Civil Engineering

Federal University of Piaui, Teresina, Brazil

Aug 2008 – Dec 2011

Relevant work experience

- Field load testing of screw piles under axial loading in cohesive and cohesionless soils is being conducted as part of my MSc thesis at the University of Alberta (May 2023 – Present)
- Research Assistant at University of Alberta conducting tests on soil nails to verify their capacity and compliance with regulations and specifications. Research related to foundations in permafrost, producing a state-of-the-art practice report on foundation engineering in Arctic Communities and proposing a Design Manual and providing examples for Steel Piles and Screw Piles. (Oct 2022 – May 2023)
- Conducting slope inclinometer tests and preparing reports in various areas of Edmonton using the RST Inclinometer to monitor the inclinations and movements of slopes in order to assess their stability. Additionally, performing various soil tests, including sieve analysis and compaction tests, as part of the services provided by Zalig Engineering.
- Civil engineer at the Federal University of Piaui, responsible for performing laboratory tests on concrete and soils (2014-2022)
- Civil engineer at construction companies in Brazil, responsible for managing contracts up to \$50 million and overseeing projects with up to 1,000 employees on-site (2011-2014: NPJ Constructions; 2015-2018: VIGA Constructions; 2019-2022: L2 Engineering)
- Undergraduate professor of engineering at University UNIFACEMA, University in Caxias, Brazil (2019-2020)

Honors and grants

- Mitacs Accelerate program scholarship
- University of Alberta Graduate Recruitment Scholarship for Spring 2023
- Selected as an MSc student in one of the top geotechnical engineering departments in the world at the University of Alberta.
- Selected to work as Civil Engineering at Federal University of Piauí (UFPI). Got the position to work as Civil Engineer at UFPI, chosen among hundreds of candidates (2014 – 2022)
- Honored Professor by the graduating class of 2019 and 2020 of UniFacema. Honored by the graduating students due to the excellence of my work.
- Master's Program. Awarded scholarship for two years of master's study in Science Materials and Engineering at the Federal University of Piaui, a highly competitive program (2018 – 2019)
- Promoted to Civil Engineer at NPJ Constructions. Got the position to work as Civil Engineer, chosen among other interns (2011)