

DANILO BRANDÃO

Engineer | Aspiring Data Scientist

PROFILE

Creative, adaptable and resilient engineer. A person willing to make a difference through work. Team worker, always eager to learn from different cultures and backgrounds and sharing own enriching experiences. Also interested in continuously improving communication, processes, technical and managerial skills.

EDUCATION

PhD Engineering Management

Stevens Institute of Technology
New Jersey, USA
2016 - 2018 (interrupted)

M.E. Engineering Management

Stevens Institute of Technology
New Jersey, USA
2014 - 2016

BSc Civil Engineering

University of Brasilia | Brasilia, Brazil
2007 - 2013

BSc Civil Engineering (mobility semester)

University of Porto | Porto, Portugal
2011 - 2012

SCIENTIFIC WORK

Master's thesis:

analysis of social media data mined from Twitter in order to characterize online conversations and profile users around the topic of the 2016 American elections.

SKILLS

Python | RStudio | LaTeX | AutoCAD
MS Word | Excel | PowerPoint | Project
Adobe Illustrator | Photoshop | Premiere

LANGUAGES

Portuguese (native)
English (fluent)
Spanish (basic)

CONTACT

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PROFESSIONAL GOALS

Transition to a career in data science and be able to successfully extract knowledge from otherwise unclear data and transform it into actionable insights, fostering the adoption of data-driven decision making across various knowledge domains.

PROFESSIONAL EXPERIENCE

Fundacao Getulio Vargas - FGV | Brasilia, Brazil

2019 - Present | Civil Engineer

- Created pricing methodologies for road construction services for the National Transport Infrastructure Department (DNIT) in Brazil;
- Conducted a special study about best practices for hiring consulting services around the world, focusing on the public sector. This study resulted in an immediate change in calls for biddings made by DNIT;
- Analyzed contracts data and technical standards to develop and deliver special studies for pricing engineering consulting services in record time.

Concremat Engineering | Brasilia, Brazil

2018 - 2019 | Civil Engineer

- Supervised construction activities in a retrofit project for the third largest bank in Brazil;
- Proposed design solutions for unforeseen challenges that would surface over the course of the execution of the project;
- Oversaw inspections to assure their quality and accordance with current technical standards.

MTA New York City Transit | New York, USA

2015 - 2016 | Engineering Mega Project Planning Graduate Intern

- Made field trips to assess the progress of projects such as the NYC 7 Line Extension and Second Avenue Subway;
- Evaluated bid proposals and presentations from different companies for a Ventilation System Strategy Study project;
- Produced field reports for supervisors;
- Attended meetings regarding Mega Projects planning;
- Volunteered for the M86 SBS Customer Ambassador program to assist customers with the service changes on the M86 bus line;
- Made presentations on topics related to engineering best practices for internal staff.

Embre Engineering | Brasilia, Brazil

2013 - 2014 | Civil Engineer

- Designed numerous foundation and retaining wall projects for several different clients throughout Brazil;
- Supervised one CAD technician and one Civil Engineering intern;
- Designed a data interface using Excel to transform and visualize performance indexes from all continuous flight augering equipment;
- Produced follow-up reports for upper management.

Odebrecht Construction, Inc. | Brasilia, Brazil

2012 - 2013 | Civil Engineering Intern

Concreta Consultancy (junior enterprise at UnB) | Brasilia, Brazil

2008 - 2013 | Marketing Director

ADDITIONAL COURSEWORK

2021 | Masters in Applied Computing (Data Science Concentration)

University of Brasilia | Brasilia, Brazil

- Sample Selection Basic Notions - 32 hs
- Intensive Computing Methods for Data Mining - 32 hs
- Big Data Mining - 32 hs