

# Heitor Fernandes Oliveira de Melo

Lee's Summit, Missouri • (816) 868-5957 • heitor\_fernandesmelo@outlook.com

## WORK AUTHORIZATION

Green card holder/permanent resident; work sponsorship not required.

Civil Engineering Degree Evaluated as Equivalent by the National Council of Examiners for Engineering and Surveying (NCEES).

## EDUCATION

### Duke University – Coursera, Online

October 2017 – present

*Excel to MySQL: Analytic Techniques for Business*

Anticipated Completion: October 2018

- Business Metrics for Data-Driven Companies
- Mastering Data Analysis in Excel
- Data Visualization and Communication with Tableau
- Managing Big Data with MySQL

### MITx (Massachusetts Institute of Technology) – Edx, Online

September 2017 – present

*Supply Chain Management, MicroMaster Credential*

Anticipated Completion: December 2018

- Supply Chain Analytics
- Supply Chain Fundamentals
- Supply Chain Design
- Supply Chain Technology and Systems

### Federal University of Pernambuco - UFPE, Recife, Pernambuco, Brazil

*Bachelor's Degree in Civil Engineering*

Graduated: August 2017

CR: 7.25/10.0

### University of Missouri - Kansas City - UMKC, Kansas City, Missouri

March 2014 – May 2015

*Study Abroad Student in Civil Engineering*

GPA: 3.33/4.00

### Specialized Coursework

Introduction to Construction Management, Engineering Enterprise, Green Building, and GIS for Engineers

## WORK EXPERIENCE

### Prisma – Consultoria e Serviços em Engenharia – Junior Enterprise September 2015 – January 2017

*Vice-President and Project Management Director*

- Implemented and worked with PDCA tool
- Strategic planning of the company (Five forces of Porter, BCG scorecard, Customer Segmentation, SWOT Analysis and Growth-Share Matrix)
- Worked with Project Management
- Completed weekly and monthly reports using MS Project 2010

### ATP Engenharia LTDA, Department of Airports and Highways

August – December 2016

*Civil Engineering Internship*

- Worked on projects for the airport using the software Autodesk Revit
- Completed projects for the airport using the software Autodesk Civil 3D
- Determined compatibility between projects, ensuring that the projects did not have conflicting elements using Autodesk Navisworks

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## RESEARCH EXPERIENCE

**Missouri University of Science and Technology, Rolla, Missouri**

May – August 2015

Worked under Kamal Khayat, Ph.D., Director, Center for Transportation Infrastructure Engineering Studies

*Design and Performance of Crack-Free Environmentally Friendly Concrete*

Collaborated with Iman Mehdipour, Ph.D. Candidate

*Recycled Concrete Aggregate: Field Implementation at the Stan Musial Veterans Memorial Bridge*

Collaborated with Seyehamed Sadati, Ph.D. Candidate

*Design of Ultra High performance Concrete as an Overlay in Pavements and Bridge Decks*

Collaborated with Mahdi Valipour, Ph.D. Candidate

**Federal University of Pernambuco - UFPE, Recife, Pernambuco, Brazil**

August 2013 – March 2014

*Mechanical Properties of Concrete Subjected to High Temperatures*

Worked under José Jefferson do Rêgo Silva, Ph.D.

## LANGUAGE SKILLS

### Portuguese

- Speaking: Native
- Reading: Native
- Writing: Native

### English

- Speaking: Proficient
- Reading: Proficient
- Writing: Proficient

### Spanish

- Speaking: Intermediate
- Reading: Intermediate
- Writing: Basic

### German

- Speaking: Basic
- Reading: Basic
- Writing: Basic

## SOFTWARE EXPERIENCE

- Civil 3D
- Navisworks
- AutoCAD
- MS Project
- MySQL
- Excel (MACRO and VBA)
- SAS
- GIS (Geographic Information System)
- Tableau
- REVIT Architecture
- AnyLogic

## CO-CURRICULAR ACTIVITIES

- Member of the Student Academic Center of Civil Engineering – UFPE October 2012 – Jan 2017
- Worked as volunteer in an event called Christmas in October October 2014
- Participated in ExpoUFPE September 2013  
Helped provide information related to Civil Engineering to high school students
- Recife representative at the EREEC August 2013  
Regional conference for Civil Engineering students in Salvador, Bahia, Brazil