



# Paula Toraldo Knight

CIVIL ENGINEER



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## Education

### M.S., Structural Engineering

Feb 2016 - Jul 2018

PUC, Rio de Janeiro, Brazil

CAPES Scholarship Recipient

### B.S., Civil Engineering

Feb 2011 - Dec 2015

PUC, Rio de Janeiro, Brazil

CNPq Scholarship Recipient

### Civil Engineering Abroad

Jan 2014 - Dec 2014

University of Cincinnati

BSMP Scholarship Recipient

## Involvement

- Teacher Assistant, PUC Rio
- Construction Volunteer, Habitat for Humanity
- Orphanage Volunteer, MVC

## Languages

- English (*Fluent*)
- Portuguese (*Native*)
- Spanish (*Working*)
- German (*Elementary*)

## Skills

- AutoCAD
- Civil 3D
- Bluebeam
- SAP2000
- Revit
- Microsoft Project
- Primavera P6
- MATLAB

## Professional Experience

- **Design Engineer, Sandis** Feb 2020 - Present
  - Responsible for the design of multiple commercial, residential and industrial developments including office buildings, solar plants, hotels, and schools in a diverse range of regions with differing laws and standards
  - Created comprehensive construction plans including site, grading, drainage and utility designs
  - Developed earthwork calculations and SWPP plans
  - Managed RFIs and material submittals
  - Conducted site visits and performed QA/QC assessments
- **Associate Engineer, Artech** Jul 2018 - Mar 2019
  - Conducted site walk downs & reports, blueprint drafts, and construction guidance for residential and commercial projects
  - Collaborated with architects and city officials to verify plans
  - Participated in client meetings and helped guide revisions
  - Coordinated with construction site leads, aiding in blueprint interpretation, hand-off and planning for execution
- **Postgraduate Researcher, PUC Rio** Feb 2016 - Jul 2018
  - Partnered with multiple companies to conduct a study of steel fiber reinforced concrete and its application to railroad ties
  - Led a team of four interns
- **Undergraduate Researcher, PUC Rio** Jul 2015 - Dec 2015
  - Conducted mechanical tests using fiber reinforced cementitious materials for construction purposes
- **Engineering Intern, CSU Long Beach** Jun 2014 - Aug 2014
  - Partnered with multiple construction companies, including CW Driver, BuildingPoint Midwest, HSE and Snyder Langston
  - Developed site logistic plans, schedules and estimates
  - Engaged in construction site visits and on-the-job learning
- **Research Assistant, PUC Rio** Jul 2012 - Dec 2013
  - Led an experimental study which developed alternative soil mixtures that used ash from urban solid waste to improve soil characteristics and increase environmental sustainability