Rishabh Lala

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OBJECTIVE
To obtain full time position in Structural Engineering in May 2018, where I can utilize my passion for a great learning experience.

EDUCATION
University of Florida **(May 2018)**
Master of Science, Structural Engineering — GPA: 3.81/4

Rajiv Gandhi Technological University, Bhopal, India **(June 2016)**
Bachelor of Engineering and Master of Technology in Structural Engineering (Integrated) — GPA: 8.5/10

SKILLS
STAAD.Pro, SAFE, SAP-2000, Midas Gen, ETABS, Visual Analysis, AxisVM, AutoCAD, Sketch-up, Revit, Mathcad, MATLAB, Python, FB Deep, GS Deep, FB Multi-Pier, ADINA, ANSYS, C++, VIM (text-editor), Linux (Cygwin)

INTERNSHIPS
Heaven's Design, Bhopal, India — Jan 2015 – Feb 2015
Analyzed & designed multi-story concrete buildings (G+40 & G+10) using STAAD.Pro (Indian Codes)

Civil Engineering Network Systems, Pune, India — Jul 2014 – Dec 2014
Designed industrial steel structures and residential concrete structures (Indian & Euro Codes)

M.P. Housing Board — Jul 2013
Supervised three different construction sites (high rise concrete residential) using AutoCAD drawings

COURSES
Bridge Engineering, Structural Analysis, Structural Dynamics, Reinforced Concrete, Finite Element Method, Adv. Finite Element Analysis, Adv. Deep Foundation (Pile Analysis & Design), Stochastic Mathematics, Wind Engineering, Adv. Shallow Foundation

INVOLVEMENT & COMMUNICATION
Graduate Research Assistant — Oct 17 – May 18
Advisor Dr. Gary R. Consolazio, Professor, University of Florida
Investigating vehicle impact performance of longitudinal concrete barriers using Non-linear FEA

Teaching Assistant — Aug 17 – Dec 17
Advisor Dr. Fazil T. Najafi, Professor, University of Florida
AutoCAD Drawing Lab (CGN 2328), Public Works (CGN 5606)

Self-Healing Concrete Evaluation using Emergy Analysis — Jul 17 – Ongoing
Advisor Dr. Sanjeev Adhikari, Associate Professor, Purdue School of Engineering and Technology
Studying Mechanistic Empirical Pavement design & doing Emergy Analysis on Self-Healing Concrete

Treasurer, Florida Structural Engineering Association — Oct 17 – May 18
Attending budget meetings, ensuring funds, organizing skill-based workshops (MATHCAD, MATLAB)

Event Director, Indian Graduate Student Association — Feb 17 – Jan 18
Organizing and participating in cross-cultural events

Guest Lecture Series at UF — Jun 17 – Jul 18
Introduction to Engineering Research (EGN 1935); focused on good writing styles

Conducted Workshop (India) — Jan 14, 2015
National Institute of Technical Teachers Training and Research, Bhopal, India
On Earthquake-Resistant Design of Structure using STAAD.Pro

OTHER PROJECTS

Research (Volunteer)	Testing and Mitigation of Ettringite formation in Mass Concreting	Mar 17 – Apr 17
Wind Engineering	Tall Buildings: Wind Engineering Challenges and Mitigation Concepts (review paper)	Jan 17 – Apr 17
Thesis (India)	Column Shortening in Tall Buildings: Theory Validation and Designing Precepts	Jul 15 – May 16
Forensic (India)	Analyzed overhead tank collapse by NDT techniques (CAPO, RH, UPV, RC cover)	Apr 15 – May 15
Soil Mapping (India)	Soil testing and mapping of regional soil based on their engineering properties	Jun 13 – Dec 13

AWARD
First Position, Technical Paper Presentation, PEHAL 2014, SWANS India, on
"Glass Fibre Reinforced High Strength Concrete, an Alternate to the Conventional Concrete (R.C.C.) (Experimental Study)"
Link - http://pehal2014.weebly.com/finalists--winners.html