

Koosha Kalhor

(857) 300-9102 | k.kalhor@northeastern.edu | www.kkalhor.com | LinkedIn.com/in/kkalhor

■ EDUCATION

- **Northeastern University**, Boston, MA, USA Expected Graduation: May 2017
 - Master of Science in Civil Engineering (Expertise: Environmental Engineering), **GPA: 4/4**
 - *Passed and audited Courses related to: Hydrologic and Hydraulic Modeling, Chemistry, Remote Sensing, Groundwater, Environmental Planning, Water Quality and Treatment, Probability and Statistics and Flow and Transport*
- **K. N. Toosi University of Technology (KNTU)**, Tehran, Iran Feb. 2015
 - Bachelor of Science in Civil Engineering
 - Awards: Received Best President of Scientific Associations of KNTU from University President, 2nd Place in National Spaghetti Bridge Competition

■ SKILLS

- Graphical & Design: AutoCAD, Civil 3D, Revit, Adobe Photoshop Cs, MicroStation (Limited Proficiency)
- Programming, Data Analysis and Modeling: MATLAB, C++, Netlogo, Minitab, STELLA, R (Limited Proficiency)
- Structural: CSI ETABS, CSI SAFE, CSI SAP 2000, PERFORM
- Water and Environmental Eng.: ArcGIS, HEC-HMS, HEC-RAS, GMS Modflow, WaterCAD, BEES, SimaPro, Visual Minteq

■ WORK EXPERIENCE

- **Civil Engineering Intern at WSP | Parsons Brinckerhoff**, Boston, MA, USA May-Aug. 2016
 - Reviewed submittals and project reports technically
 - Assisted senior engineers in structural and architectural design of their projects using Civil 3D and Revit
 - Learned about LEED certificate criteria and design regulations in civil and environmental engineering
 - Developed additional computer skills by working with Civil 3D and Revit
 - Collaborated with other departments of the company such as traffic, transportation, architecture etc.
- **Intern at Environment Laboratory of KNTU** Oct. 2014-Jun. 2015
 - Learned about environmental biological processes and also practical & experimental methods of water & wastewater treatment along with assisting laboratory supervisor for conducting research
- **Engineering Intern at Jakaj Arme Construction Company**, Tehran, Iran Jun.-Sep. 2014
 - Learned about construction procedures, practical methods of constructing decks, columns and beams along with assisting civil engineer of the project and project manager
- **Engineering Intern at Shamsa Construction Management Company**, Tehran, Iran Jun.-Sep. 2013
 - Learned general information about building construction procedure and construction contract and insurance types

■ RESEARCH EXPERIENCE

- **Research Assistance**
 - Works on groundwater hydrologic modeling and remediation, PROTECT Center, Northeastern University May 2016-Present
 - Industrialized a research project about Saving Energy in Buildings, K. N. Toosi University of Technology Jan.-Jun. 2015

■ TEACHING EXPERIENCE

- Lecturer of Soil Mechanics Laboratory, Northeastern University, Boston, MA Jan 2017-Present
- Teaching Assistant for courses: Sep.2013-Present
 - Hydraulic Structures, Foundation Eng., Environmental Eng., Soil Mechanics, Strength of Materials, Dynamics
- Teacher of AutoCAD at K. N. Toosi University of Technology (KNTU) Feb. 2013 - Jan. 2014

■ LEADERSHIP EXPERIENCES AND EXTRACURRICULAR ACTIVITIES

- President of Civil Engineering Scientific Association at K. N. Toosi University of Technology Oct. 2012- Nov. 2014
- Founder and Head of 1st National Seismic Design Competition in Iran, Iran May 2014
- Supervisor of 1st National Seminar on Earthquake Eng., Seismic Retrofitting & Disaster Management, Iran May 2014
- Head of 4th National Spaghetti Bridge Competition, KNTU, Iran May 2013
- Head of 2nd and 3rd Green National Carton Chair Competition, KNTU, Iran Mar. 2013 and Mar. 2014