**SAMAD KAZEMI**

**Ph.D. Candidate in Civil Engineering**

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**Profile**

I am a Ph.D. candidate in civil engineering with special focus on geotechnical engineering empowered by my academic history in the higher education industry. In addition, five years of work experience have made me familiar with some fields of civil engineering such as design and construction, in-site activities, cost estimation, engineering documents, and quality control. I am an organized, goal-oriented, and interactive team player with good communication and collaboration skills capable of performing in challenging environments. I'm flexible, quick to pick up new skills, and eager to train for improving my knowledge and abilities.

**Education**

***2015 – Present*** **Boğaziçi University  *Istanbul - Turkey***

*- Fulfilled all required courses with 3.61 GPA*

***(Expected 2020)*** **Ph.D. Candidate in Civil Engineering (Geotechnic)**

* Bearing capacity determination of a concrete pile by modeling in Plaxis2D
* Experimental study on geosynthetic-reinforced sand by conducting static and cyclic simple shear tests with fully automated testing apparatus (Geocomp ShearTrac II-DSS)
* Performing freezing method as a new approach for soil sample preparation in triaxial test

*- Passed Ph.D. Qualification Exam*

* Participation in development of a modified large-scale direct shear test apparatus
* Knowledge on sustainable design including some basic concepts of sustainability such as Cyclic Life Assessment (CLA), Life Cycle Cost (LCC), and methodology to calculate the emission of harmful climate related gases like CO2 and CH4

***Jan – Jun 2018*** **University of California Irvine *Irvine - United States***

**Graduate Visiting Researcher**

* Soil-structure interaction analysis of simplified models representing flexibility of bridge foundations and abutment systems
* Attended in a seminar at civil engineering department of George Mason University – Washington DC, for presenting my experimental researches on geosynthetics

***2011 – 2014*** **Istanbul Technical University** ***Istanbul – Turkey***

**M.Sc. in Soil Mechanics and Geotechnical Engineering**

*- Graduated with 3.31 GPA*

* Thesis: Stabilization of expansive soils using co-polymer, homo-polymer, polypropylene, fly ash, and lime
* Site response and liquefaction analysis using Cyclic1D program

***2003 – 2007*** **Azad University** ***Tabriz - Iran***

**B.Sc. in Civil Engineering**

*- Graduated with 15.62/20.00 GPA*

* Design of concrete structure of a 6-storey residential building
* Design of steel structure of a 5-storey shopping center building

**Publications**

***Sep 2017***  **19th International Conference on Geotechnical Engineering and Geomechanics**

* Image Processing on Geosynthetic Reinforced Layers to Evaluate Shear Strength and Variations of the Strain Profiles ***Rome – Italy***

***May 2017*** **Transportation Geotechnics and Geology Conference** ***Saint Petersburg - Russia***

* Erol Güler, Samad Kazemi Khosrowshahi, Evaluation of the Geosynthetic Reinforcement on Railroad Subgrade, Procedia Engineering, Volume 189, 2017, Pages 721-728

***Dec 2014*** **AGU Fall Meeting *San Francisco - United States***

* Improvement of Expansive Soils Using Chemical Stabilizers

***Oct 2014*** **11th International Congress on Advances in Civil Engineering, ACE** **2014**

* Improvement of Expansive Soils Using Fiber Materials ***Istanbul – Turkey***

**Computer Skills & Training**

* MS Office: Word, Excel, PowerPoint
* Modeling and analysis: Etabs, OpenSees, Plaxis2D, LPile, ProShake, Cyclic1D
* Programming and data analysis: Matlab
* Management: Primavera
* Computer-aided design: AutoCAD

**Career Summary**

***2014 – 2015***  **ABADGARAN Construction** ***Tabriz – Iran***

**Technical Office Engineer**

(Development and maintenance of a food industry factory)

* Design & construction of foundation and base-plate installation for industrial equipment
* Material estimate, cost estimate and MTO (Material take off)
* Providing As-built drawings of constructions and piping lines
* Building Reinforcement & Strengthening including dimension enlargement of structural elements, reinforcement, and chemical anchor bolt implementation (Hilti Epoxy Adhesive)
* Participation in Job walks, Quality Control (QC), peer review, and checkpoint processes
* General knowledge of HSE (Health, Safety, and Environment) standards

***2006 – 2010*** **FARA ZAMAN SAZEH Construction** ***Tabriz – Iran***

**Construction Project Engineer**

(Construction project of an Educational-Administrative Building and a Healthcare Clinic)

* Coordinating geotechnical field inspections to check compliance with standards
* Knowledge of typical testing methods and procedures and preparation of technical reports
* Attending in meetings and discussion on project details with sub-contractors
* Evaluation of contractors’ conformance with plans and specifications
* Preparation of consultant services agreements, and related contract documents
* Providing analysis and recommending corrective actions that will improve work practices
* Preparation of construction plans and work order packages

**Languages**

* English, Turkish: Proficient
* Azerbaijani, Persian: Native speaker

**Membership**

* Alumni Scholarship Reader of 2020 review period, University of California, United States
* American Society of Civil Engineers ASCE, GI - Geo-Institute, United States
* Iranian Organization of Civil Engineering – Certificate in construction supervision, Iran

**References**

* Available upon request