

**Contact Information**

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**Personal Information**

*Date of birth:* 30 July 1987  
*Place of birth:* Esfahan, IRAN  
*Nationality:* Iranian  
*Gender:* Male

**Education:**

**2009-2011** M.Sc. in Earthquake Engineering  
Department of Civil Engineering,  
Sharif University of Technology, Tehran, Iran.  
Recognized among the top 15% of students, Total GPA: **16.81/20**

**Graduate Dissertation:**

*“Investigating the Causes of Failure and Seismic Retrofitting Methods of Reinforced Concrete Bridges”* under supervision of Prof. A.R. Khaloo

**2005-2009** B.Sc. in Civil Engineering  
Department of Civil Engineering,  
Yazd University, Yazd, Iran.  
**Ranked 1<sup>st</sup>** among 85 undergraduate students, Total GPA: **16.16/20**

**2001-2005** High School Diploma, Mathematics and Physics,  
Emam Bagher High School, Esfahan, Iran.  
Recognized among the top 5% of students, Total GPA: **18.72/20**

**Professional Affiliations:**

- Admitted to the Professional Engineering Association of Iran, Designing and Supervising, License No: 2030004604, Dec 2012
- Member of ACI, 2008 to present

**Projects:****Graduate Level**

- Presented a Seminar of Advanced Concrete Technology on *Self Compacting Concrete (SCC)*, Dr. A.R. Khaloo , Fall 2010
- Presented a Seminar on *A New Approach to Shear Design of Pre-stressed Concrete Members*, Dr. A.R. Khaloo, Fall 2010
- Designed a tall building in details, 50 stories, *Reinforced Concrete with Exterior Framed Tube System*, Dr. H.Estekanchi, Fall 2010 (Ranked 1<sup>st</sup> among 30 students)
- Designed an industrial building in details with Space Frame Roof, Dr. H. Estekanchi, Spring 2010 (Ranked 1<sup>st</sup> among 25 students)

- Presented a seminar of Earthquake Engineering on *Fiber Reinforced Concrete*, Dr. M. Ahmadizadeh, Spring 2010 (Ranked 1<sup>st</sup> among 19 students, grade 20/20)

### Undergraduate Level

- Designed a 6 story concrete building in details, Dr. H.A. Rahimi, Fall 2008
- Designed an 8 story steel building in details, Dr. N. Abdoli., Fall 2008

### Teaching Experience:

- Lecturer at Sharif University of Technology, Graphics Engineering Center, AutoCAD software for six undergraduate groups, Fall 2010
- Tutored University Courses to Undergraduate Students.
- Tutored Technical Computing Software Such as SAP, Etabs, Safe etc to Undergraduate Students .

### Employment Experience:

- Designed over 120,000 m<sup>2</sup> of Building and Industrial Structures in Iran, 2008 to present
- Worked as the head of Design Engineering Department, Mahour Architect & Engineering Consultant Company, Kashan, Iran, 2009 to present
- Worked as the designing Engineer, TTBP Consulting Engineers Co., Tehran Metro, Line 3, 2010-2012
- Worked as the head of Design Engineering Department, Afarinesh Engineering Consultant Co., Yazd, Iran, 2008-2010
- Worked as the head of Technical Office, 530 unit of residential complex of Maskanmehr, Tose'eh Sepahan Investment Co., Hashtgerd, Alborz, Iran, 2010-2011

### Graduate Courses Taken:

- **Advanced Concrete Technology**, Dr. A.R. Khaloo.
- **Analysis and Design of Prestressed Concrete Structures**, Dr. A.R. Khaloo.
- **Advanced Mathematics**, Dr. F. RahimzadehRofooei.
- **Advanced Earthquake Engineering**, Dr. F. RahimzadehRofooei.
- **Dynamic of Structures**, Dr. M.A. Ghannad.
- **Seismic Design of Structures**, Dr. M.T. Kazemi.
- **Design of Industrial Structures**, Dr. H. Estekanchi.
- **Design of Tall Buildings**, Dr. H. Estekanchi.
- **LRFD Steel Design**, Dr. Sh. Maleki
- **Seminar of Earthquake Engineering**, Dr. M. Ahmadizadeh.
- **Ductile Design of Steel Structures**, Dr. V. Khonsari

### Publication:

Modir, M., "An Introduction to Self-Compacting Concrete and Investigation in the Necessity of its Use in the Construction Industry", National Conference on Civil Engineering and New Developments, 2013, Karaj, Iran (Accepted)  
 Book, *Design of Prestrssed Concrete Structures*, (with Prof. A.R. Khaloo, in progress)

### Professional Experiences:

- 3<sup>rd</sup> International Conference on Seismic Retrofitting with focus on Bridge, Lifeline Engineering and Concrete Technology, Tabriz, Iran, Oct. 2010
- 2<sup>nd</sup> National Conference of Steel and Structure, Tehran, Iran, Dec. 2011
- Training Conference with focus on Design Concrete Shear-wall, Esfahan, Iran, Oct. 2011
- Training Conference with focus on Quality Control of Concrete, Esfahan, Iran, Oct. 2011

- Training Conference with focus on Design and Seismic Retrofitting of Steel Structures, Tehran, Iran, Dec. 2009

**Interests:**

***Reinforced Concrete structures, Structural Engineering, Concrete Composite materials*** such as:

- Self Compacting Concrete (SCC)
- High-Strength Normal and Lightweight Concrete
- High Performance Concrete
- Fiber Reinforced Concrete
- Modeling and Testing Structures and Structural Components and Materials
- Nonlinear Analysis and Design of RC Structures
- Innovations in the form of Reinforcements of Concrete Structural Components (Columns, Slabs, Shear-walls, etc.)
- Precast Structures for Seismic Zones
- Retrofitting Methods of Reinforced Concrete such as FRP etc
- Behavior of Reinforced and Pre-stressed Concrete Structures
- Numerical Methods in Analyzing and Designing Structures
- Nonlinear Analysis of Structures
- Seismic Performance-Based Design
- The Analyzing and Designing of Complex and Special Buildings and Structures

**Computer Knowledge**

SAP, Etabs , Safe, Abaqus, Plaxis, MATLAB, Seismo Signal, Formian, AutoCAD, AutoCAD Land, Autodesk Revit Structure, Tekla Structures, Fortran, Microsoft Office (Word, Excel, PowerPoint), Microsoft Project.

**Languages:**

Persian: Native  
English: Fluent  
Arabic: Intermediate

**Hobbies:**

- Arts: Poetry
- Sports: Mountain climbing, Swimming, Running, Playing Tennis.
- Fishing
- Watching movies

**References:**

- Ali Reza Khaloo, Ph.D, Distinguished Professor, Faculty member  
Civil Engineering Department, Sharif University of Technology, Tehran, Iran  
Email: [khaloo@sharif.edu](mailto:khaloo@sharif.edu)
- Homayoon E. Estekanchi, Ph.D, Professor, Faculty member  
Civil Engineering Department, Sharif University of Technology, Tehran, Iran  
Email: [stkanchi@sharif.edu](mailto:stkanchi@sharif.edu)
- Mehdi Ahmadizadeh, Ph.D, Assistant Professor, Faculty Member  
Civil Engineering Department, Sharif University of Technology, Tehran, Iran  
Email: [ahmadizadeh@sharif.edu](mailto:ahmadizadeh@sharif.edu)
- Reza Morshed, Ph.D, Assistant Professor, Faculty Member  
Civil Engineering Department, Yazd University, Yazd, Iran  
Email: [morshed@yazduni.ac.ir](mailto:morshed@yazduni.ac.ir)
- S.M. Hosseini, Ph.D, Assistant Professor, Faculty Member  
Civil Engineering Department, Shahrood University of Technology, Shahrood, Iran  
Email: [s.m.hosseini@shahroodut.ac.ir](mailto:s.m.hosseini@shahroodut.ac.ir)