Curriculum Vitae
Alireza Farzampour

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Birth Date: 3/28/1990
E-Mail: alirezafarzampour4230@gmail.com
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Education:

2012- Completed	M.S. Civil Engineering – Earthquake Engineering
	Sharif University of Technology, Tehran, Iran
	Final GPA: 3.87/4 (17.03 / 20).
2008- 2012	B.S. Civil Engineering
	Sharif University of Technology, Tehran, Iran
	Final GPA: 3.42/4 (15.44 / 20).
2004- 2008	High school
	Allame Tabatabayi School, Tehran, Iran
	Final GPA: 4/4 (19.74/20).

Honors:

- First M.Sc. Student defending thesis in the Structure and Earthquake Group
- Ranked 78 among more than 35,000 civil engineering participants in nationwide graduate university entrance exam, 2012
- Ranked 645 among more than 450,000 participants in the nationwide undergraduate university entrance exam, 2008.
- Semi-finalist in the nationwide Mathematics Olympiad 2005-2007.
- Semi-finalist in the nationwide Physics Olympiad 2007

Publication and Presentation:

- "Seismic Hazard Assessment for Eastern Iran", *Journal of Earthquake and Structures, TechnoPress,* Accepted.

- "Analysis of Corrugated Steel Shear Walls with Rectangular Opening", *The Journal of Thin-Walled Structure,* In second Revision.

- "Performance of Tuned Mass Dampers in Vibration Control of a Base-excited Mid-rise Shear Building", *Iranian Journal of Science and Technology*.

- Investigation of Tuned Mass Dampers Efficiency in Vibration Control of High-Rise Shear Buildings Using Wavelet Transform, IMAC, Accepted.

- Time-Scale Blind Source Separation Using Independent Component Analysis for Identification of Highly-damped Structures, IMAC, Accepted.

- "On Seismic Hazard Analysis of The Two Vulnerable Regions in Iran: Deterministic and Probabilistic Approaches", *NZSEE International Conference*, 2014, Published.

- "Integration of Wavelet Transform and Independent Component Analysis for Unsupervised Identification of Structures", *NZSEE International Conference*, 2014, Accepted.

- "On The Behaviour of Corrugated Steel Shear Walls With And Without Openings", *Second European Conference on Earthquake Engineering and Seismology*, 2014, Published.

- "On the Study of an Eight-Story Building Seismic Response, Controlled Passively and Actively by Tuned Mass Damper(TMD) and Comparison with Uncontrolled Case", *Second National Conference on New Material and Structures*, 2014, Published.

- "Parametric Study of Linear and Non-Linear Single Degree of Freedom Systems Under Tabas Ground Motion Regarding Newmark approach", *8Th National Congress on Civil Engineering*, 2013, Published.

Research and Work Experiences:

- Reviewer of Athens Journal of Technology and Engineering
- Graduate. research assistant of Prof. Mofid on " Corrugated Steel Shear Walls with and without Openings, with Regard to Different Angeles of Corrugation" (2014)
- Collaboration with PEER members in "Urban Earthquake Engineering" Conference (2012)
- Research assistant of Prof. Jafari on "Concrete Hospitals' Retrofitting Research Group Projects" (2011)

Reports and Dissertations:

- Corrugated Steel Shear Walls with and without Openings, with Regard to Different Angeles of Corrugation, *Sharif Univ of Tech*, M.SC. , 2014
- On the Investigation of Retrofitted Aged Concrete Hospitals, *Maram Coroporation* , Report, 2012

Teaching Experience:

- Tutor of **"*Dynamic of Structures*"** for graduate students
- Tutor of **"*Theory of Numbers*"** to high school Olympiad students (2009-2011)

English Proficiency Test Scores:

- **TOEFL (iBT):**   **Sep-2013**
  Listening   29
  Reading   27
  Speaking   23
  Writing   25
  Total   **104**

GRE Test Scores:

	Score	Percentile
Quantitative Reasoning:	170	98%
Verbal Reasoning:	155	67%
Analytical Writing:	3.5	38%

Computer Skills:

- General Computer knowledge: Windows, Office,
- Programming: MATLAB, Turbo Pascal
- CADs and Applications: AutoCAD
- Civil Engineering Software: ETABS, SAP2000, Safe, OpenSees, SeismoSignal, ABAQUS (certified)

M.Sc Courses: **Score/20**

Advanced Engineering Mathematics:	**16.0**
Structural Dynamics:	16.2
Advanced Engineering Earthquake:	15.8
Earthquake Seminar 1:	17.5
Random Vibration:	17.1
Seismic Design:	15.5
Control of Structures:	16.2
Design of Industerial Buildings:	16.9
Earthquake Seminar 2:	19.5
Ductile Design:	15.0
Finite Element :	19.7
Thesis	19

References:

- Dr. M.K. Jafari: Professor, Dean of International Institute of Earthquake Engineering and Seismology
  E-Mail: jafari@iiees.ac.ir
- Dr. M. Mofid: Professor, Civil department, Sharif University of Tech.
  E-Mail: mofid@sharif.edu
- Dr. M.A. Ghannad: Professor, Civil department, Sharif University of Tech.
  E-Mail: ghannad@sharif.edu