

# ARMIN ERFANIAN, PhD, P.Eng

143 Steeles Ave E, Toronto, ON, M2M 3Y5

armin.erfania@gmail.com

Cell: 416-509-1122

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## Career Highlights:

- 10+ years of structural engineering and project management experience in a multidisciplinary setting
- Well versed in design, project management and construction support of structures
- Excellent supervisory, communication and mentorship skills
- Able to manage budget and time
- Experienced in providing estimates
- Experienced in preparing bids and proposals
- Able to present project matters to customers and project team
- Fully familiar with design, fabrication and construction procedures
- Experience with local and international standards, NBCC, OBC, CSA S16, CSA S157, CSA A23.1/2/3, IBC, ACI, AISC, PIP, API, OSHA, ASCE 7
- Experience with MS Office, STAAD.Pro, Sframe, SAP 2000, ETABS, SAFE, DYNA6, AutoCAD, Navisworks, SPR, ABAQUS
- Professional Engineer, P.Eng, in Ontario (2019) and Alberta (2009)
- Able to manage and coordinate the project internally and externally
- Able to provide technical specifications
- Experienced in the review and approval of engineering and shop drawings
- Experienced in site visits and inspections to ensure compliance with codes and standards
- Access to own vehicle
- Willing to travel

## Professional Experience and Accomplishments:

FRJJ Technical Inc., Toronto

Structural Project Manager

2019-Present

SNC-Lavalin, Calgary

Senior Project Structural Engineer

2012-2019

Krupp, Calgary, Alberta

Senior Structural Engineer

2011-2012

WorleyParsons CoSyn, Edmonton, Alberta

Structural Engineer

2010-2011

AMEC (Wood), Calgary, Alberta

Structural Engineer

2008-2010

Stantec, Edmonton, Alberta

Structural Engineer

2007-2008

University of Alberta, Edmonton, Alberta

Structural Teaching and Research Assistant

2003-2007

Nama Consulting, Tehran, Iran

Structural Engineer

2001-2003

**Projects:**

- Design, project management and construction support for various new structures and rehabilitation/restoration of existing buildings

**Education:**

B.Sc. in Civil Engineering, Amirkabir University of Technology, Iran

1995-1999

M.Sc in Structural Engineering, Ferdowsi University, Iran

1999-2001

Ph.D. in Structural Engineering, University of Alberta

2003-2007

**Training:**

Construction Safety Training System (CSTS) of Alberta Construction Safety Association

Project Management Fundamentals, Waterloo University

Leadership, Waterloo University

Oil Sands Safety Association (OSSA) Regional Orientation Program

Dynamic Analysis of Machine Foundations and DYNA6 Software

**Awards:**

NSERC (Natural Sciences and Engineering Research Council of Canada) Scholarship

PCA (Portland Cement Association) Scholarship

**Publications:**

Erfanian, Armin, and Alaa E. Elwi. "Stepwise bond model including unconfined and partially confined hooks." *ACI Structural Journal*, 115.1 (2018): 103-112.

Erfanian, Armin, and Alaa E. Elwi. "Analysis of bond-slip and transverse dissipative energies in confined reinforcing bars." *Canadian Journal of Civil Engineering*, 45.9 (2018): 739-751.

Erfanian, Armin, and Alaa E. Elwi. "Bond plastic model for steel-concrete damaged interface element." *ASCE Journal of Structural Engineering*, 145.5 (2019): 04019018.