

Sahand Sartipi

Education

Master of Science (M.Sc.) in Structural Engineering 2017-Present

Amirkabir University of Technology, Tehran, Iran

Dissertation: Numerical study on the tensile and shear behavior of post-installed adhesive bonded anchors

Advisor: Prof. Siamak Epackachi

Bachelor of Science (B.Sc.) in Civil Engineering 2013-2017

Shahid Chamran University, Ahvaz, Iran

GPA 3.1/4.0

Professional Experience

Project Engineer 2017-2018

Faradid Gharn Consulting Co. Ahvaz, Iran

Member of the design team for multiple commercial and residential building projects in Ahvaz, Iran.

Site Engineer 2016-2017

Faradid Gharn Consulting Co. Ahvaz, Iran

Construction supervisor of various concrete projects for residential purposes.

Research Experience

Graduate Research Assistant 2017-Present

Amirkabir University Of Technology, Tehran, Iran

Developing a numerical model capable of predicting the tensile and shear behavior of post-installed adhesive bonded anchors, under the supervision of Prof. Siamak Epackachi

Teaching Experience

Online Instructor Fall 2018

Finite Element Programming Using Python (Graduate Level)

FaraDars Institute, Tehran, Iran

Teaching Assistant

Winter 2015

Statics (Undergraduate Level)
Shahid Chamran University, Ahvaz, Iran

Relevant Graduate Coursework

- Theory of Elasticity
- Dynamics of Structures
- Advanced Engineering Mathematics
- Finite Element Method
- Plastic Analysis and Design of Structures
- Special Topics (Experimental Analysis of Structures and Its Laboratory)

Selected Course Projects

Finite Element Method, Instructor: Prof. V. Lotfi

Developed a multi-purpose FEA program using python programming language capable of solving finite element problems and making various calculations.

Plastic Analysis and Design of Structures, Instructor: S. Erfani

Developed a program using python capable of predicting collapse load and mechanism of specified structures.

Computer Skills

Engineering Programs

SAP, ETABS, SAFE

Finite Element Programs

LS-DYNA, LS-OPT

Programming

MATLAB, Python, C++

General

AutoCAD, MS-Office