

# Mojtaba Rezakhah

1909 Digger Drive #95  
Golden, CO 80401

303-885-0427  
mrezakha@mines.edu

---

## EDUCATION

PhD Student, Operations Research with Engineering,  
Division of Economics and Business, Colorado School of Mines, Expected May 2016.

M.Sc. Student in Mineral and Energy Economics,  
Division of Economics and Business, Colorado School of Mines, Expected May 2015.

M.Sc. in Mining Engineering,  
Tarbiat Modarres University (TMU), Tehran, Iran, 2003 - 2006.

B.Sc. in Mining Engineering,  
Isfahan University of Technology, Isfahan, Iran, 1999 - 2003.

## EXPERIENCE

### Teaching Assistant

**Nov 2012 - Present**

*Colorado School of Mines*

- Mining Engineering Department: Statics.
- Petroleum Engineering Department: Petroleum Design.
- Economics & Business: Industrial System Simulations.

### Senior Mine Engineer

**Sept 2010 - May 2012**

*Fars & Khuzestan Cement Company, Iran*

- Created detailed long-range plans incorporating equipment capacity and production requirements, Shahrood Cement Company, Iran.
- Generated and implemented long-range planning procedures, Shahrood Cement Company, Iran.
- Designed the "Optimized Blending Ratio of Raw Materials" at Farsnov Cement Company based on reducing energy consumption in the kiln.
- Optimized the transportation system of raw materials from the mine to cement factory, Khazar Cement Company.
- Conducted all mining engineering work on multiple pre-feasibility and feasibility studies for Farsnov Cement Co. These studies included pit optimization, pit designs, haulage system design, equipment sizing, and economic analysis.
- Provided consulting engineering to subsidiary companies' projects include scoping, pre-feasibility- and feasibility-level studies for raw materials of cement including limestone and clay.
- Trained and developed engineers of subsidiary companies to utilize Datamine and to develop long- and short-range mine plans using best engineering practices.

**Director****May 2008 - July 2010***Kelardasht Quarry Mine, Iran*

- Increased the revenue of the company by 30% in 2 years, based on selling more products.
- Provided pre-feasibility- and feasibility-level studies for replacing the mine extraction by explosives with wire cut mining method.

**Mine Operations Engineer****May 2006 - May 2008***Tamin Cement Investment Company, Iran*

- Increased the production capacity at Limestone mine, Sufian Cement Company, Iran. Provided schedules to meet final design and plan.
- Designed software for selecting mining equipment.

**BOARD OF DIRECTOR APPOINTMENTS**

Kelardasht Quarry Mine Company, Iran

**July 2010 - June 2012**

Farsit Ahwaz Company, Iran

**April 2011 - June 2012****COMPUTER SKILLS**

MineSight, 3DEC, FLAC and FLAC 3D, AMPL, CPLEX, Visual C++, and Microsoft Office Applications.

**PUBLICATIONS**

M. Monjezi (2007), K. Goshtasbi, M. Rezakhah and T.N. Singh, "Design of stable slopes for Songun copper mine," Mining Technology, Vol 116 No 3, Money Publishing, Australia.

M. Monjezi (2006), M. Rezakhah, "Design of optimum overall slope for Songun copper mine," First Mining Conference in Iran.

M. Monjezi (2006), M. Rezakhah "Presenting a mathematical relationship to determine the slope Sungun copper mine," Twenty-fourth Earth Science Conference, Iran.