

Education

Colorado School of Mines

PhD Student in Operations Research with Engineering

Anticipated: **Dec. 2020**

Master of Science in Engineering & Technology Management

Graduated: **May 2016**

Bachelor of Science in Mechanical Engineering

Graduated: **May 2015**

Relevant Experience

Newmont Mining, Mine Engineering Intern

May 2018 - Aug. 2018

- Analyzed heat output of diesel equipment to maximize production in underground mining operations
- Developed air flow demands for various underground mining operations around the world
- Created quality control guidelines for initial planning of underground and open-pit mining operations

Jeppesen, Operations Research Analyst Intern

Jun. 2017 - Dec. 2017

- Ran a production scheduling optimization model, prioritizing map charting, daily
- Fixed feasibility issues and improved performance of the production scheduling optimization model
- Completed documentation of the production scheduling optimization model

Ponderosa-Advisors, Optimization Intern

May 2016 - Sep. 2016

- Analyzed data and creating forecasts for oil and gas companies through optimization and regression analysis.
 - Worked on a generator dispatch model using an optimization model solver
 - Assisted with calculating Natural Gas' Base and Structural Demand for the Continental US.
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Relevant Competitions

Denver University Analytics Challenge

Mar. 2016

- Received first place in the competition
 - Created three models in detecting crime in the Denver Metro area
 - Worked on the Optimization model minimizing response time for police officers
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Extracurricular Activities

Colorado School of Mines Men's Varsity Soccer Team

2010-2013

- RMAC Conference Champion in 2010 & 2012

Colorado School of Mines Men's Varsity Track and Field Team

2010-2015

- All-American honors in the Long Jump and the Triple Jump
 - National Qualifier in the High Jump, Long Jump, and Triple Jump
 - School Record holder in the High Jump, Long Jump, and Triple Jump
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Technical Skills

- Fundamentals of Engineering, EIT Certified
- Proficient in AutoCAD: Civil 3D, C++, Solidworks, SQL, GAMS, AMPL, OMP, CPLEX, Python, R, Microsoft Office, Windows 10, Windows 7, Windows XP
- Communication and Presentation skills