

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

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.

Dairy Engineering, Engineering Intern

Jun. 2015 – Aug. 2015

- Refurbished and prepared equipment to be ready for sale.
 - Used problem solving skills to organize valves in their warehouse allowing efficient identification for parts.
 - Finished several projects through metal polishing allowing equipment to be aesthetically pleasing.
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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, CPLEX, Python, R, Microsoft Office, Windows XP, Windows 7
- Communication and Presentation skills