

Education

Colorado School of Mines

PhD Student in Operations Research

Anticipated: **Dec. 2020**

Master of Science in Engineering & Technology Management

Graduated: **May 2016**GPA: **3.744**

Bachelor of Science in Mechanical Engineering

Graduated: **May 2015****Relevant Experience**

Ponderosa-Advisors, Optimization Intern

May 2016 – Sept. 2016

- Analyzing data and creating forecasts for oil and gas companies through optimization and regression analysis.
- Worked on a Generator Dispatch model using and Optimization model Solver
- Assisted with calculating Natural Gas' Base and Structural Demand for the Continental US.

Dairy Engineering, Engineering Intern

June 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.

NewFields Mining, Engineering Intern

May 2014 – Aug. 2014

- Worked on drawing sheets in AutoCAD.
- Provided solutions for creating and updating Mining Facilities across the country.
- Assisted in designing facilities for companies like Newmont Mining, and Barrick Gold

Relevant Research and Competitions

Colorado School of Mines, Research Assistant

Nov. 2016-Present

- Analyzed and presented information to help a hospital understand their scheduling deficiencies.
- Assisted in linearization of constraints for an optimization model for military base meeting energy demand.

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

Extracurricular Activities:

Colorado School of Mines Men's Varsity Soccer Team

2010-2013

- RMAC Conference Champions in 2010 & 2012
- Scored 15 Goals and had 3 assists during career

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

Technical Skills

- Fundamentals of Engineering, EIT Certified

Aug. 2015

- Proficient in AutoCAD: Civil 3D, C++, Solidworks, SQL, GAMS, AMPL, Python, R, Microsoft Office, Windows XP, Windows 7, Communication, and Presentation skills.