

# Ben Odegard

7547 Quay St.  
Arvada, CO 80003

720-563-  
1607  
benmodegard@gm  
ail.com

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## **Educati on**

**Colorado School of Mines** | *Golden, CO*  
**GPA: 3.1 Major GPA: 3.3**

**Graduated:** August 2016 - Bachelors in *Metallurgical and Materials Engineering*

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## **Work Experience**

### **Timet** | *Quality Melt Engineer*

- Review titanium melt data for product certification to ensure products meet quality and customer requirements.
  - Review and disposition nonstandard events melt events that impact product quality and customer requirements.
  - Review and monitor chemistry using Excel, Access, and Minitab
  - Review and approve of raw material for each melting process.
    - o ~180 melt reviews and approvals per week.
  - Site liaison for the sites quality management system (STAR).
  - Lead on the Chemistry team.
    - o Created MOC's to adjust blend chemistry aims to reduce non-conforming product.
    - o Created automated chemistry run charts for each furnace for real time monitoring of chemistry using Tableau.
  - Performed internal audits on production processes.

Morgantow  
n, PA  
Aug 2017-  
Dec 2019

Safford, AZ  
Aug 2016-  
Aug 2017

### **Freeport McMoRan** | *Metallurgist I at CASC Lab*

- Oversee troubleshooting and optimization of CASC's fully automated sample processing and wet chemistry line: Line 5
- Evaluated the effects of stirring methods on Nucomat and Line 5 and their effects on Chalcocite acid soluble copper values
- In charge of quality of all blasthole assays (600-800 samples per day and 1800-2500 assays per day)
- In charge of monthly blasthole, Nucomat, cross contamination, and lost sample reports.

Englewood,  
CO  
May-Aug  
2016

### **Newmont Mining Corp.** | *Metallurgical Engineering Intern*

- Learned the processes within wet chemistry, mineralogy, and carbon sulfur
- Explored filtration methods on mercury contamination in pregnant gold eluate.

Englewood,  
CO  
May-Aug  
2015

### **Newmont Mining Corp.** | *Metallurgical Engineering Intern*

- Ran carbon activity tests for an open pit gold leach mine
- Obtained hands on experience with mineral processing, hydrometallurgy, sample prep, and analytical work
- Performed 150+ grind studies

**Lone Star Heat Treating Corp. | Metallurgical Engineering Intern**

- Experienced the metal heat treating process for a wide range of metals
- Helped to create more efficient processes for everyday routines
- Received experience in on the job problem solving

Denver,  
CO  
Jun-Aug  
2014

**Halliburton | Frac Engineering Field Intern**

- Completed a project on the benefits of liquid natural gas and presented professionally
- Learned and operated equipment on a frac site
- Worked in 12 hour shifts on site

Brighton,  
CO  
Jun-Aug  
2013

**Proficiencies and Certifications**

- Experience in Excel and MiniTab
- Sampling Theory, Sampling Practices and Their Economic Impact training from Colorado School of Mines
- ISO 17025 Internal Auditor Training and measurement of uncertainty from ANAB