

Brian W. Medberry

Summary of Qualifications

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| <ul style="list-style-type: none"> ▪ Metallurgical and Materials Engineering ▪ Tensile and Fatigue Testing | <ul style="list-style-type: none"> ▪ Fractography and Failure Analysis ▪ Metallography |
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Experience

January 2019 to Present	SAFE Inc.	Colorado Springs, CO
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Junior Engineer

- Performs full failure analysis of aircraft components including macrophotography, stereo and SEM fractography
- Verification of cold-spray repairs using porosity, hardness and mechanical testing measurements

Feb 2018 to Jun 2018	Performance Associates International, Inc.	Tucson, AZ
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Consultant

- Technical writer developing training manuals for mining operations
- Responsible for reviewing engineering documents, P&IDs and equipment specifications
- Produced flowsheets for plant operations

May 2017 to Aug 2017	Tesla	Palo Alto, CA
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Applied Mechanics Lab Director, Department of Engineering Mechanics

- Performed tensile, fatigue and 3-point bend testing
- Developed standard procedures for characterization of diverse material systems
- Interpreted data and presented conclusions to influence production decisions
- Traveled to factory to directly support production teams

Jun 2016 to Aug 2016	Intertek Asset Integrity Management	Santa Clara, CA
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Metallurgy Intern

- Responsible for developing work plans, documentation of samples, failure analysis and metallurgical evaluations
- Experience in sample preparation, metallography, fractography, SEM/EDS, and non-destructive testing

Education

Aug 2014 to Dec 2017	Colorado School of Mines	Golden, CO
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B.S. Metallurgical and Materials Engineering

- Cumulative GPA: 3.78
- Presidents Undergraduate Scholarship
- Roberto Rocca Scholarship

Professional Affiliations

Member, Colorado School of Mines Materials Advantage Chapter
 Member, Tau Beta Pi Colorado Alpha Chapter