

Toni J. Griego

Summary of Qualifications

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| <ul style="list-style-type: none"> ▪ Process engineering while upholding rigid quality assurance requirements ▪ Use of statistical data analysis techniques to include design of experiments ▪ Application of metallurgical expertise for new product development | <ul style="list-style-type: none"> ▪ Project management, budgeting, scheduling, and technical writing ▪ Sample preparation, laboratory documentation, and independent research ▪ Data acquisition and analysis of mechanical properties of alloys and composites |
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Experience

Jan 2017 to Present	SAFE, Inc.	Monument, CO
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Junior Engineer

- Material characterization
- Mechanical testing
- Failure analysis

2014 to Present	W. L. Gore and Associates.	Flagstaff, AZ
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Metallurgical Engineer

- Provide engineering support for Nitinol wire finishing process including process improvements, validation, troubleshooting, and engineering review
- Apply Nitinol expertise and quality system knowledge to support production efforts to include raw material data and product disposition
- Advise new product development and commercialized product teams on metal materials and processing enquiries

2012 to 2014	Sierra Nevada Corporation	Centennial, CO
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Material Science Engineering Intern

- Designed and implemented test plans for materials testing in accordance with ASTM standards and material specifications
- Performed statistical analysis of test data for development of executive reports
- Managed a composite materials test lab that included collaboration with associates of different engineering disciplines

2013	Colorado School of Mines	Golden, CO
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Undergraduate Research Assistant

- Assisted in the tensile testing of nanostructured aluminum alloys
- Prepared nanostructured aluminum alloy, magnesium alloy, and steel samples

Education

May 2014	Colorado School of Mines	Golden, Co
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Bachelor of Science – Metallurgical and Materials Engineering

Academic Experience

Senior Design Project - 2014

STANDARD FOR SURFACE PREPARATION FOR BIOCOMPATIBILITY RESEARCH

Design of a surface preparation standard utilizing statistical analysis of repeatability
 Developed a standard emphasizing on surface topography and sample preparation
 Experimented with several surface design techniques and analyzed data utilizing profilometry and optical microscopy

Engineering Design Project - 2009

NEO PROBE LANDING GEAR TEAM LIAISON

Design of landing gear that would protect a space probe regardless of orientation

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Communicated between team and client and drafted design report
Researched material and developed structure of the base while staying within design constraints