

Austin C. Burns**Summary of Qualifications**

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| <ul style="list-style-type: none"> ▪ Solidworks Design and Simulation ▪ Mechanical Testing, Static and Fatigue ▪ Testing Fixture Design ▪ Mechanical Failure Analysis | <ul style="list-style-type: none"> ▪ Experimental Design ▪ Matlab and Labview Programming ▪ Quality Control |
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Experience

June 2016 to Present	SAFE Inc.	Monument, CO
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Junior Engineer

- ASTM standard mechanical testing
- Test fixture and specimen design using Solidworks modeling

June 2015 to Mar 2016	Halliburton Energy Services	Vernal, UT
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Production Enhancement, Field Engineer

- Collected and analyzed in field hydraulic fracturing fluid
- Documented inventory, collected pumping data
- Completed petroleum engineering based courses

May 2014 to Aug 2014	Halliburton Energy Services	Vernal, UT
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Production Enhancement, Engineering Intern

- Ran pumping operations equipment
- Performed in field quality control on pumping fluids
- Completed research and development on a synthetic acid compound and presented results to regional lead engineers

May 2013 to Aug 2013	Brightleaf Power	Montrose, CO
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Quality Control, Engineering Intern

- Analyzed product failure to determine causes and issued solutions
- Worked to improve solar generator power output
- Performed corrosion failure analysis on product components with use of an environmental chamber

Projects

Sep 2013 to May 2015	Colorado University at Boulder	Grand Junction, CO
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Lightspeed Road Solar

- Worked to re-design a solar powered highway lane marker
- Perfected the product install process by creating an installation manual

Halliburton Energy Services

- Designed, fabricated, and tested an in-line viscometer to be used in hydraulic fracturing operations
- Presented the working product to Halliburton executives

Fluid Mechanics

- Performed wind tunnel testing on various roof designs to find best designs for use in tornado prone areas
- Designed and fabricated a converging diverging nozzle which successfully reached supersonic speeds above mach 1

Education

Sep 2011 to May 2015	Colorado Mesa University/CU Boulder	Grand Junction, CO
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BS – Mechanical Engineering

- With a focus on experimental design, component design, and simulation
- Cumulative GPA: 3.65/4.0
- Dean's List