

BRADLEY RAMSEY

Bradley.Ramsey1@outlook.com | (530) 510-2861 | [LinkedIn](#)

EDUCATION

Rice University, Houston, TX, May 2025

Bachelor of Science, Mechanical Engineering | Minor: Business

Shasta College, Redding, CA, May 2021

Associate of Science, Social Science

EXPERIENCE

Greenfield Milling | Amarillo, TX | June 2025 – January 2026

Mechanical Engineer

- Managed \$3M in packaging and mixing system projects across three facilities, from concept through commissioning
- Designed \$700K mixing plant producing up to 3M lbs/month, integrating material handling and process controls
- Implemented automated VFFS packaging achieving 7,000+ lbs/hr, optimizing labor efficiency and reliability
- Led cross-functional teams in production, quality, and maintenance to streamline operations and boost uptime

Team Pressing Matters | Houston, TX | September 2024 – May 2025

Mechanical Engineer

- Led design and prototyping of precision ink dispensing system for biomedical screen-printing applications
- Directed CAD development, and testing of fluid and squeegee systems, achieving modularity, and manufacturability
- Coordinated interdisciplinary collaboration between mechanical, electrical, and biology teams to meet milestones

S&P Global | Houston, TX | June 2024 – August 2024

Research Analyst Intern

- Built a forecast accuracy model, achieving 90% short-term and 70% long-term accuracy for energy price projections
- Developed margin forecasting tools for refining units and retail pricing models for fuels at county and state levels
- Created a data-driven demand calculator improving regional market insights and supporting executive decision-making

Chevron | Bakersfield, CA | May 2023 – August 2023

Pipeline and Power Engineering Intern

- Designed P&ID diagrams and conducted simulations for cogeneration systems wastewater, using PipePhase
- Analyzed system and projected data, for selecting wastewater pump capable of 20,000+ gallons per day
- Investigated Cogeneration plant design, specifically dry low-NOx combustion units, to limit chemical pollutants
- Proposed a mechanical maintenance plan, for oil mist eliminator unit, reducing pollutants and increasing plant safety

Chevron | Midland, TX | May 2022 – August 2022

Wells Plugging and Abandonment Intern

- Implemented new shape charge perforation and plugging tool, reducing operations time by 25%, and costs by 10%
- Led evaluations of plugging materials and methods, influencing vendor selection and quality assurance standards
- Conducted safety reviews regarding the handling and use of explosives and chemicals on the Ground and in Well
- Researched Well perforations technology, resulting in a comprehensive analysis, and proposal for cost savings

Rice Emerging Scholars Program | Houston, TX | June 2021 – August 2021

Engineering Intern

- Led designing and prototyping of a hand-grasping assistive device, progressing from low- to mid-fidelity prototypes

SKILLS AND AWARDS

Software: SolidWorks, Onshape, PipePhase, Microsoft Office (Word, Excel, PowerPoint, Teams, Outlook)

Programming: Python, C++, MATLAB

Hardware: 3D Printing, Prototyping and Product Design, Metalworking, Woodworking, General Maintenance

Awards: Eagle Scout, The Vigil Honor, QuestBridge Scholar