

Brennan Clark

Address: 215 Bailey Ave, Dumas, Tx. 79029
bclark215@tamu.edu | (806)-930-3177

Education

- **Texas A&M University (Graduating May 2021)** **August 2016 - May 2021**
 - B.S. Manufacturing and Mechanical Engineering Technologies

Work Experience

Mechanic/Hand, Brazos Bottom Crop Care – Caldwell, TX **May 2017 - Present**

- Performed general mechanic work on pumps, gear boxes, and heavy machinery

Summer Intern, Sulzer Turbomachinery Services – La Porte, TX **May 2019 - August 2019**

- Created a design to replace existing submerged arc welding positioners
 - Proposed design improved safety and reduced the risk of dropping a rotor (can weigh +50 tons)
 - Proposed design was approximately \$8000 cheaper than commercial options
- Assisted with day-to-day welding operations including programming SAW machine, and post weld heat treats

Welder, Rik Mar Fabrications – Bryan, TX **May 2016 - August 2016**

- Fabricated oilfield parts based on AutoCAD drawings
 - Processes used include MIG, TIG, oxy/fuel cutting, plasma cutting
- Assisted with the operation of CNC laser, CNC waterjet, and CNC press break

Pump Mechanic/Hand, Better Harvest Inc. - Dumas, TX **May 2015 - August 2016**

- Performed maintenance and repair of pump units and equipment

Welder, Dumas Independent School District - Dumas, TX **May 2014 - August 2014**

- Completed 2 large scale welding projects that are still in use today

Technical Skills

- **AWS Sense Level 1 Welding Certification**
 - Certified processes: SMAW, GMAW, FCAW, GTAW (carbon steel, aluminum, & stainless)
 - SMAW 3/8" plate 3G destructive bend test (6010 root, 7018)
 - SMAW & GMAW 3/8" plate 2G visual inspection
 - GTAW fit up and weld test (carbon steel, stainless steel, and aluminum) visual inspection
 - Various GMAW and FCAW weld tests with visual inspection
 - Tests over drawings, weld symbols, electrode selection, etc.
- **Competent with Inventor & Fusion 360 (Modeling, FEA, CAM, Drafting, & Animations)**
- **Built an FDM 3D printer**

Engineering Activities

- **Texas A&M Sounding Rocketry Team (A&M student organization of the year for 2017-2018)**
 - Designed and manufactured critical components of our hybrid rocket system
 - Worked with 3d printing, composites, machining, welding, CAD
 - Gave weekly presentations to teammates and sponsors
- **1 of 3 selected TSTAR/NASA capstone teams**
 - Our team has been tasked with designing and building a cosmic dust collector, that will automatically stow and deploy from a high-altitude balloon.
 - Head of mechanical design and fabrication

Interests

- Welding and metallurgy
- 3D Printing
- Woodworking
- Hunting
- Fishing
- Golf