

# Holden Sherard

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## Work History

### Vandyne Engineering Loveland, CO

#### *Intern, August 2013 - 2017*

I was involved in the Vandyne Superturbo and Wave Solar generator projects designing, machining, and 3D printing parts using Sketchup and Fusion 360 CAD/CAM programs. When design work was completed, my tasks included machining, welding, and assembling prototype engines (or other systems), as well as troubleshooting and fixing any flaws.

### Cajun Moon Design Berthoud, CO

#### *Woodworker, July 2016 - 2018*

Work included squaring and milling and working new and reclaimed lumber, creating joinery, and a large amount of machine and tool maintenance and repair. I have produced a large number of tables and custom cabinets, some of which can be found at Oskar Blues restaurants and City Star Brewery.

## Education

### Thompson Valley High School Loveland, CO

#### **Graduated 2019**

General Honors studies, with electives including Industrial Arts classes, E3, and independent studies projects.

### Front Range Community College Longmont, CO

#### **January 2016 - Present**

I am working through my first of several welding certifications having taken welding safety, GMAW and SMAW welding. I am currently enrolled in classes to get my Precision Machining certification in the summer of 2020. My goal is to work in a research and development role in building individual parts and machines, troubleshooting and modifying them to work as required.

## Skills

- Ability to work with a team of people with varying skill-sets and personalities.
- Adaptability and creativity required to work on different projects and efficiently solve problems as needed.
- Dedication and commitment to complete long-term goals over the course of several weeks or months.
- Experience running manual mills and lathes over the course of several major projects and prototype builds.
- Blueprint reading experience and ability to work independently to create finished parts from prints.
- Mathematical literacy to use mathematical formulas to calculate needed dimensions and information needed for efficient and accurate work.
- Use of measuring devices such as various types of micrometers, gauge blocks, indicators, and other measuring devices to measure finished work and gauge progress.
- Experience with the necessary repair and maintenance work on different machines.
- Familiarity with a number of welding processes, including wire-feed steel and aluminum welding, SMAW welding in all positions, and have limited DC TIG welding experience on ferrous metals.
- Some limited experience with several CAD programs such as Autodesk Fusion 360 and Sketchup 3D.

