

# Travis Irving

Denver, CO 80211

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Seeking a position where I can utilize my educational background to strengthen my work history.

Authorized to work in the US for any employer

## Work Experience

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### **CNC Press Brake Operator**

Monarch Metal Manufacturing-Denver, CO

April 2023 to Present

Setup and Operate CNC press brake to bend specific types of metal to exact customer dimensions and materials. Clarify exact material matches customers request material such as; Aluminum, cold rolled steel, hot rolled steel, galvanized steel and plastics. Determine flange length from given bend diameter, bend radius data. Utilize calipers to verify flange length matches customer blueprint. Install proper punch die tooling as requested on customer drawings. Take finished part to QC to verify it meets customer specifications. Input each order into system and complete order as you finish. Record amount of parts completed/scrapped. Travel completed order in system and proceed to next order.

### **Fabrication**

Kärcher-Aurora, CO

February 2022 to April 2023

Plastic fabrication of portable cleaning machines. Utilize roto mold machine to process plastic powder into molded part to be fabricated. Drill, tap and cut holes into finished molded part according to blueprints or engineering drawings. Friction weld plastic parts with corresponding fittings together to prevent leaks. Wash and clean plastic part before it gets flammed to provide glossy finish to plastic part. Properly retain paperwork and keep data logged for each completed order.

### **Production Operator II**

CoorsTek

March 2015 to February 2022

Operate Dynamic saw to cut ceramic tube/rod stock to customer specified length and diameter according to engineering blue print. Properly select ceramic type by classification whether it is Aluminum Oxide, or Silicate. Cut finished material to within .0001". Utilize micrometer/caliper, height gauges for GDT to ensure proper measurements. Use CNC dice saw to cut very thin diameter rod/tube. Perform in part inspection (IPI) check very small parts on a software based smart scope for accuracy. Keep documentation records for each part. Sort and pack finished product conforming to ITAR regulations.

## Education

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### **BSME in Mechanical Engineering**

University of Colorado Denver - Denver, CO

January 2020 to Present

### **Associates of General in General Studies**

Community College of Denver - Denver, CO

May 2007 to December 2011

Native American Multi-Cultural Education School - Denver, CO  
March 2005 to May 2007

## Skills

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- SolidWorks
- CAD
- MATLAB
- Mechanical Engineering
- Manufacturing
- Mechanical Design
- Mechanical Knowledge
- Trigonometry
- Algebra
- AutoCAD
- Geometry
- GD&T
- Schematics
- Blueprint Reading
- English
- Calipers (10+ years)
- Microsoft Excel
- Microsoft Office
- CAM programming
- Micrometer