

# MICHAEL SETH MABES

Email: Phone:

Address:

## Summary of Qualifications

I have seven years of team-based work experience in manufacturing. During my school career I have been on two Bio-Medical related projects, my capstone the common Iliac Bifurcation aneurysm and the bioprosthetic heart valves. These Bio-medical engineering projects have increased my knowledge and understanding of applied medical research. My aspiration in engineering doesn't stop at school, I engage in several home projects and have joined the Arduino club to further my knowledge.

## Work Experience

**Rain-bo rain gutters** 2019-Present

**Position:** Project leader

- Organized various projects to make the time on location more efficient.
- Mounted the product
- Operated machinery

**Joy Cone Co.** 2013-2017

**Position:** Packer, Line Operator, Promoted: Batter Room Attendant

- Overviewed the production of all factory batter, ingredients and quality testing of product
- Team based work environment to solve machinery and quality problems
- Documented quality daily and recorded all daily events

**Mega Diamond** 2012-2013

**Position:** Lapping Operator

- Worked with various measure instruments on products and machinery
- Operated heavy machinery to cut PCDs (Diamonds) to tight tolerance specifications
- Hourly paperwork to record measurements and product moved

**Joy Cone Co.** 2010-2012

**Position:** Packer, Line Operator

- Team based work environment to solve machinery and quality problems
- Documented quality daily and recorded all daily events

## Skills

- CAD (SolidWorks)
- Programming (MatLab and HTML)
- Project Management
- Statistical analysis
- Knowledge of manufacturing process
- Trouble shooting (code and machinery)
- Microsoft Word, Excel and PowerPoint

## Education

**Coconino Community College** Graduated May 2017

- Associates in Science Studies

**Northern Arizona University** 2017-Present

- Bachelor of Science in Mechanical Engineering
- Member of the ASME

Graduating December 2019

## Projects

### School

- EGR 386 - Bioprosthetic Heart Valve
  - This project was research based with the idea that we would have to manufacture the valve. Bio-compliant materials were chosen in order to stimulate cellular growth in the hopes of re-growing the valve tissue on to an electro spun matrices.
- ME 486 - Iliac Bifurcation Aneurysm
  - For this project I was the web designer, manufacturing designer and hemodynamics director. My positions involved matching anatomical fluid flow for this region and to develop a repeatable manufacturing process all while designing the team website.
- ME 180 – Trials Bike (SolidWorks)