

# Scott Simpson

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## SUMMARY

Experienced engineering technician with the following strengths:

- Proficient in trouble shooting using an analytical and systematic approach
- Excellent knowledge and understanding of the scientific/physical properties of materials and manufacturing principals
- Certified in industrial hydraulics, HP 3070 test-head maintenance, HP 5DX x-ray inspection
- Comprehensive understanding of electro-mechanical devices and computer interfaces
- Fluent in UNIX, Windows XP, Board Test Basic, AutoCAD 12
- Extensive experience utilizing SPC
- OSHA 10 hour occupational safety and health training course

## PROFESSIONAL EXPERIENCE

### **Facilities Technician: Parkway products, Loveland, CO 3/2014-7/2014**

- Maintained facility equipment, air handling, air compressors, fire alarms
- Trouble shoot plastic injection molding production equipment, molds, preventive maintenance, screw replacement and maintenance

### **Facilities Technician: Value Plastics, Inc., Fort Collins, CO 6/2013-9/2013**

- Maintained facility equipment, air handling, air compressors, fire alarms
- Plastic injection molding equipment, machine shop equipment

### **Dental Repair Technician: Zila, Fort Collins, CO 12/2012-2/2013**

- Qualify autoclave equipment and operating procedures
- Trouble shoot soft tissue laser dental equipment
- Document all repair activities in accordance with quality procedures

### **Quality Technician: Precision Machined Products, Fort Collins, CO 6/2012-8/2012**

- Insure product dimensional quality, geometric tolerance
- Measurement equipment- Coordinate measuring machine, caliper, optical comparator, Cadillac height gauge, ring gauges

### **Failure Analysis Technician: Advanced Energy Inc. Fort Collins, CO 2008-2010**

- Printed circuit board cross section, microscope analysis of root cause failure
- SEM/EDS analysis
- Failure analysis engineering reports

### **Engineering Technician: Solix Biofuels, Ft. Collins, CO 2007 to 2008**

- Construct photo- bioreactors used to grow algae for bio-fuels
- Design and construct production tooling
- Wire control cabinets used to control pH, temperature, and light cycles

### **Maintenance Technician: Celestica, Ft. Collins, CO 1998 to 2005**

- Maintain and trouble shoot HP 3070, 3065 circuit testers
- Maintain, program and trouble shoot HP 5DX x-ray inspection equipment
- Maintain test programs to reflect current manufacturing conditions
- Provide fixture support for the HP 3070, 3065

- Extensive technical support for both through-hole and surface mount PCB

## **EDUCATION**

**Front Range Community College- A.A.S. Clean Energy Technology 2012**

**Colorado State University- Pueblo**

- Bachelor of Science, Physics
- Engineering option in Electrical Engineering Technology
- Minor in Mathematics

**Front Range Community College AutoCAD Certificate**

**National Technology Transfer, Inc. Fluid Control Division, Industrial Hydraulics**