

**Michael J. Gardner**  
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## **SUMMARY**

I am a skilled mechanical and electrical technician with expertise in building and testing systems, and working with the data. I have excellent soldering skills and I have five years of clean room experience, I take pride in attention to details and going above and beyond expectations.

### **Technical Tools:**

Oscilloscopes, laser (surface profiler), Function generator, Disk drive analyzer  
Frequency generator, Signal analyzer, Acoustic test software, Particle count tester,  
Air flow-leak tester, Metal lathe and mill, Calipers, Micrometers, Dynamometer, and  
Microscope work.

## **EDUCATION**

### **ITT Technical Institute**

Associates Degree in Electronic Technology graduated in **1990**

## **EXPERIENCE**

### **Wild Goose Filling**

**2015-2024**

*Assembly Technician*

Responsible for: building and testing sub assemblies for production and engineering builds. Keeping track of back stock so that parts are ordered when needed for the assembling of canning machines. Built and tested cable assemblies, Performed incoming quality control on engineering and production parts.

### **Sophono Incorporated**

**2012-2014**

*Senior manufacturing technician*

Assisted engineers in: designing testing and building of prototypes and existing products. Responsible for: incoming inspection on engineering parts for quality control.

### **UQM Technologies Inc.**

**2004-2011**

*Dyno Mechanical Tech III.*

Responsible for setting up and testing various types of electric motors, and generators under contract with the US Military, RTD, etc. for use in hybrid and electric vehicles, wheelchairs, tractors, busses, trucks and unmanned combat vehicles.

- Meet customer specifications and ensure high performance, and quality
- Set up and maintain dynos and the rest of the lab equipment.
- Rewrite and update test procedures to make them easier to use.
- Order parts and supplies for the lab.
- Work with software engineers executing test plans and supplying data that result in software improvements.
- Build and repair cables for new and existing test setups.

### **Maxtor Corporation**

**1992-2004**

*Sr. Technician, Mechanical Development Group (1997-2004)*

Tested and analyzed the key components of company's disc drive including: the motors, base plates, actuators, heads, etc.

- + Lasers
- Redesigned several custom set-ups and fixtures resulting in better data and more efficient testing.
- Ran a broad range of test procedures to ensure quality and performance including:
  - Tests to check for all the drive operating frequencies at a wide range of spin speeds to make sure there were no frequencies interacting together at the speed the servo is written.
  - Life tests in thermal chambers at different temperatures and for various time periods.
  - Acoustics tests on the drive motors.
  - Operational and non-operational shock testing on the drives.
  - Measured push out force on bonded and pressed in parts.
- Helped maintain and setup all the test equipment in the lab.
- Machined out parts to be used in special testing.

#### ***Also at Maxtor:***

***Engineering Test Tech III, Head Media Group (1992-1997)***

Ran fly height and electrical testing on the heads and media in a clean Room environment. Used a Zygo surface profiler to measure the flatness of the disks. Helped set up the guzek testers.

### **PrairieTek Corporation**

**1989-1991**

*Engineering Tech I*

Evaluated the heads and the media for new product development. Setup and maintained the lab.