 **Position Description**

**Electronics Engineer**

**Job Summary:**

This position will be responsible for designing, developing and testing electronic systems, components or circuits for use within our burn-in test systems.

**Key Responsibilities:**

* Design FPGA logic for self-contained parts of overall system.
* Implements FPGA firmware; verifies design with simulation test fixtures.
* Writes test programs to verify hardware. Forwards diagnostic templates to software department for customer implementation.
* Selects components, draws schematics, makes BOM, and proposes PCB placements for simple projects.
* Works with drafting to layout and check PCB designs.
* Implements microcontroller code to control temperature or regulators.
* Analog circuit design and simulation of op-amps, mosfets, and signal integrity.

**Required Qualifications:**

* Bachelor degree in Electrical Engineering or related field, or equivalent experience.
* Must be legally authorized to work in the United States without company sponsorship.

**Preferred Qualifications:**

* Bachelor degree in Electrical Engineering (GPA greater than 3.2/4.0).
* More than 2 years relevant engineering experience.
* FPGA design experience.
* Verilog logic design experience.
* Experience writing programs in Python and/or C.
* Experience with programming microcontrollers.
* Experience in PCB design.
* Experience with analog circuit simulation.

**Company Description:**
Micro Control Company is an industry leading manufacturer of electronic burn-in test systems for high power logic semiconductors. Our large test ovens are capital equipment for major semiconductor manufacturers.

Micro Control Company offers competitive wages and benefits including health; PTO; paid holidays; a matching 401(k) plan and a discretionary profit sharing bonus. Please e-mail a cover letter and resume to: mcchr@microcontrol.com to be considered for this position (using the job title for the subject).

Micro Control Company
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