 **Position Description**

**Software Engineer I**

**Job Summary:**

This position will be responsible for performing software design responsibilities, including; developing requirements specifications, creating software development plans and design documentation, implementing programs, debugging and testing new and existing software. Reports to department manager or senior engineering lead.

**Key Responsibilities:**

* Perform software design responsibilities to meet specific performance requirements of our high power burn-in systems.
* Perform pre-release testing on MCC software applications.
* Maintain existing code base and perform modifications as needed.
* Debug complex software implementations.
* Integrate software on product hardware.
* Create and implement detailed software test plans used for MCC software releases.
* Perform project implementation under the guidance of senior staff.
* Work closely with other engineering disciplines, manufacturing and the customer throughout the design and testing phases.
* Provide software support for new and released products to customers.
* Interface with management regarding software requirements and project status.

**Required Qualifications:**

* Bachelor degree in Computer Science, Software Engineering, Electrical Engineering or related field, or relevant experience.
* Requires 0-2 years’ experience with degree or 2 years+ of related experience.
* Knowledge of C++/C# in Microsoft Visual Studio environment, along with object-oriented design, analysis and software debugging.
* Strong troubleshooting skills and debugging skills.
* Ability to multi-task with minimal supervision while working independently or in a team environment.
* Strong written and verbal skills.

**Preferred Qualifications:**

* Knowledge of hardware systems.
* Software testing experience.
* Experience with Python, Java, SQL.
* UX/UI design experience.
* Database design and integration experience.
* Experience with source control system such as Git or CVS.
* Experience with issue tracking systems such as JIRA or Confluence.

**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](mailto:mcchr@microcontrol.com) to be considered for this position (using the job title for the subject).

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