

## **Product and Device Reliability Engineer – Chandler, AZ**

Posted May 13, 2015

### **Scope of Responsibility/Expectations**

Work closely with other team members on a coordinated effort in Advanced MRAM development. Perform reliability characterization and device performance tests with custom and commercial equipment in a laboratory setting. Work collaboratively to understand and correlate the properties of magnetic materials, device design and device processing to reliability and device performance. Coordinate work related to multiple projects. Analyze data, document and present results. Good communication skills and strong team work is required.

### **Specific Knowledge Required**

The ideal candidate will have knowledge of characterization and analysis techniques for product reliability in semiconductor devices including CMOS reliability, electromigration, thermal activation modeling, including data retention and oxide reliability.

- Standard electrical test methods for microelectronic memory devices and an understanding of common test equipment.
- Demonstrated ability to develop novel characterization routines for determining factors impacting device performance and reliability.
- Experience with standard memory functionality and operation (specifically DDR3/4).
- Strong statistical analysis and device yield analysis.

### **Desired Skills**

- A demonstrated ability to interface with Design, R&D and Manufacturing groups.
- A working understanding of thin film magnetic properties and materials used in MRAM technology
- Knowledge of characterization and analysis techniques specific to magnetic tunnel junction devices and magnetic-device reliability.
- A demonstrated ability to find root cause factors impacting integrated-device performance.

### **Education and Experience**

An M.S. degree in relevant field and required experience is required. A Ph.D. degree and professional experience related to magnetoresistive materials and devices is desirable. A track record of high productivity and demonstrated expertise is expected in the relevant areas.

### **Everspin Technologies**

Headquartered in Chandler, Arizona, Everspin Technologies, Inc. is the worldwide leader in designing, manufacturing, and commercially shipping discrete and embedded Magnetoresistive RAM (MRAM) and Spin-Torque MRAM (ST-MRAM) into markets and applications where data persistence and integrity, low latency, and security are paramount. With over 50 Million MRAM and ST-MRAM products deployed in data center, cloud storage, energy, industrial, automotive, and transportation markets; Everspin has built the strongest and fastest growing foundation of MRAM users in the world.



Everspin Technologies, Inc.  
*Career Opportunity*

---

This opportunity is at the company headquarters located in Chandler, Arizona (greater Phoenix metropolitan area). It is a salaried position with benefits including: medical, dental, vision plan, paid time off, and a 401k retirement plan.