



## **Magnetic Product Characterization Engineer – Chandler, AZ**

Everspin Technologies is searching for exceptional candidates to fill an Engineer position in Advanced MRAM development.

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

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

### **Specific Knowledge**

- CMOS memory testing, root cause failure analysis and yield improvement techniques
- Standard electrical test methods for microelectronic memory devices and an understanding of common test equipment.
- A working understanding of thin film magnetic properties and materials used in the production of MRAM and development of Spin Torque MRAM.
- A basic understanding of the relationship between magnetic and magnetoresistive properties of magnetic materials and processing to magnetoelectronic memory device performance is desired.
- Characterization and analysis techniques for magnetoelectronic memory devices is desirable.

### **Desired Skills**

- Experience performing CMOS lot yield analysis
- Demonstrated ability to determine and execute yield improvement plans
- Demonstrated ability to develop novel characterization routines for determining factors impacting product performance
- Demonstrated ability to find root cause factors impacting product performance
- Experience with standard memory functionality and operation (specifically DDR3/4)
- Strong statistical analysis
- Demonstrated track record of working independently but also the ability to interface with Design, R&D and Manufacturing groups

### **Education and Experience**

PhD degree or equivalent (M.S. degree and specific experience) in Physics, Electrical Engineering, Materials Science, or a closely related field is required. Professional experience related to magnetoresistive materials and devices is very desirable. A track record of high productivity and demonstrated expertise is expected in the relevant areas.

### **The Company**

Everspin Technologies is the world's first volume MRAM supplier and continues to lead the industry by advancing the technology and expanding its MRAM product portfolio. The open position is at the company headquarters located in Chandler, Arizona (greater Phoenix

metropolitan area). It is a salaried position that includes benefits including: medical, dental, vision plan, paid time off, and a 401k retirement plan.

### Contact

Please send resume to [jobs@everspin.com](mailto:jobs@everspin.com)