



Standalone and Embedded MRAM Memory Circuit Designer 48768

Everspin Technologies is searching for exceptional candidates to fill a Member of the Technical Staff position in MRAM circuit design.

Scope of Responsibility/Expectations

Work closely with other members of a small, focused, team with responsibility for large circuit blocks on design projects using next generation technology, or assume Project Leadership for chips using existing technology. Design circuits at the transistor level, simulate performance, and supervise layout. Example circuits are address buffers, decoders, control logic, sense-amps, band-gap voltage references, on-chip power supplies, write drivers, and I/O buffers. Take responsibility for assuring timely introduction of manufacturable products. Additionally, work with product and test engineers evaluating and debugging circuit performance after silicon processing.

Specific Required Knowledge

- Circuit theory
- Electromagnetic fields
- Probability and statistics
- Logic design
- Semiconductor physics
- Basic semiconductor process steps
- Impact of layout parasitic capacitance and resistance on signal integrity, speed, and power dissipation, along with layout techniques to minimize these effects

Useful Skills

- Transistor level simulation
- Parasitic extraction
- Critical path modeling
- Physical design, i. e., layout
- Logic verification
- Mixed-mode Verilog

Education and Experience

Masters or equivalent in Electrical Engineering, Physics, Computer Science, or related fields. A track record of placing memory chips into production is required. Demonstration of innovation and leading-edge expertise through publications and patents is desired.

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 design center located in Austin, Texas. 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