



Global Intellectual Strategies®

Position Description **Semiconductor Circuit Analysis Engineer**

GIS is looking for a highly skilled Circuit Analysis Engineer who will be an integral part of the Engineering Services team. You will be responsible for performing chip-level circuit analysis and schematic extraction of circuits.

This posting is for a full-time employee or consultant position.

Reporting to the Engineering Services Manager, your primary responsibilities will be to:

- Extract circuits and determine design architectures using detailed semiconductor die images and in-house tools.
- Analyze extracted circuits using your knowledge of circuits, datasheets, product literature, papers, patents, etc.
- Produce well-organized hierarchical schematics.
- Perform Spice-type simulations.
- Generate and interpret test results.
- Write reports including schematics and documentation explaining the operation of the circuit.
- Recommend enhancements to existing process and tool and recommend new tools.
- Ensure tasks are completed in accordance with company and client requirements.

Qualifications:

- Education: BS CS/EE or equivalent training or experience.
- Experience: 5+ years of design experience in semiconductor devices.
- Preferably with experience in reverse engineering, patent validity searches, and patent infringement analysis.

Required Skills:

- Working knowledge of semiconductor components, circuits and architecture, semiconductor layout.
- Working knowledge of memories including EDRAM, Flash, etc.
- Must have a high degree of visual perception and meticulous attention to detail.
- Must possess good writing and verbal skills.
- Must possess strong Microsoft Office skills.
- Must be able to manage multiple tasks and re-prioritize them.
- Must be a team player, self-motivated and able to work under minimal supervision.
- Must be able to anticipate problems and issues and recommend solutions.
- Experience with Spice simulation tools is desirable.

Please submit resume to: ebrayton@gistrategies.com

