



ASIC Design and Verification Engineer

Job Title: ASIC Design and Verification Engineer

Job Location: Dallas, Texas

Job Description: Design and verification of Syndiant's video/controller ASICs. These ASICs will drive Syndiant's patented LCOS (Liquid Crystal on Silicon) digital light modulators for the rapidly emerging market of pico projectors. We are seeking a highly motivated experienced ASIC Designer who has a desire to join an excellent team of highly skilled engineers focused on delivering exciting designs for the consumer pico projector market. The position requires extensive experience involving complex ASIC designs from specification, creation, verification, integration and support phases. Also requires a strong interest in developing products for the consumer electronics market and the ability to work independently in a fast-paced environment.

Education Requirements: BSEE, MSEE, BSCS, or MSCS

Experience Requirements: The successful candidate for this position will have worked on several ASIC designs. The candidate should be experienced in ASIC design flow, ASIC specification, ASIC validation, and RTL coding. In addition, the candidate will need to be familiar with FPGA design.

Knowledge Requirements:

RTL coding (Verilog)	ASIC synthesis
Post-synthesis functional/timing simulation	Static timing analysis
System Verilog	Multiple clock domain design

Additional Skills:

Design for cell phone embedded devices	ModelSim
Video datapath design desirable	MIPI DSI
I ² C, DDR, low power I/O	Xilinx Spartan-3 & Virtex FPGAs
Integrated power management	IC Packaging
C or C++ and Perl, Tcl or Python	Technology experience at 90nm and smaller

Residency Requirements: Candidate must be able to demonstrate they are authorized to work in the US.

Personal Attributes: A self-starting individual, strong software technical aptitude and interpersonal skills are required. Must be of unquestionable integrity, possess a drive to succeed and accomplish team challenges in a dynamic, hard working, fast-growing technology business environment.

Company Type: Dallas based Fabless Semiconductor company.

Company Profile: Syndiant, Inc. is a provider of LCOS digital light modulators for the pico projector market. Syndiant's technology uniquely meets our customer's exacting requirements for cost, size, power, resolution and color quality, enabling pico projectors small enough to fit in cell phones, laptops, Ultra-Mobile PCs, camcorders, and digital cameras. Our customers are also developing pico projectors for other markets including automotive, bio-medical, military, toy and aerospace. Our strong engineering team executes projects requiring a convergence of skills in IC, PCB, FPGA, software, optical, and mechanical design.

How to Apply: Please email your resume to: hr@syndiant.com

Syndiant, Inc. is an Equal Opportunity Employer