

Display System Developer

About IGNIS

AMOLED (Active-Matrix Organic Light Emitting Diode) displays are a new cutting-edge display technology, for every application from mobile phones to HDTV. They offer superior image quality to AMLCD, lower power, more vibrant colors, and lower manufacturing costs. Established in 2000, IGNIS Innovation Inc. has become the leading independent supplier of technology for AMOLED displays. We develop the technology that makes AMOLEDs last longer, look better, and cost less. Spun off from the University of Waterloo in 2000, and based on over 10 years of R&D, IGNIS has over 40 patents granted and pending. IGNIS has strong relationships in Asia with leading display manufacturers who are introducing OLEDs into the global marketplace.

Display System Developer

Reporting to the Director of Engineering, the display system developer will collaborate with hardware and software design teams to deliver system designs for Active-Matrix Organic Light-Emitting Diode (AMOLED) displays.

Responsibilities

- Bring-up, debugging and re-work of AMOLED display systems
- Hardware support and training for customers (may involve travel to the US and/or Asia)
- Support the display electronics engineer in new and revised designs
- Characterizing and documenting hardware functionality for customers

Qualifications

- 10+ years hardware design and debugging experience
- Experience with lab equipment such as logic analyzers, oscilloscopes, etc.
- Capable of soldering and re-working PCBs
- Comfortable working in a highly integrated, fast-paced team environment
- Ability to handle multiple tasks and changing requirements

The following skills would be an asset:

- Design and debugging of switching power supplies
- Working knowledge of LCD displays and/or video
- Experience with differential interfaces such as LVDS, PPDS, RSDS
- FPGA experience in Verilog or VHDL

Education

- BSc in Electrical Engineering, Computer Engineering, or equivalent
- MSc degree would be an asset