

# Display Electronics Engineer

## 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 Electronics Engineer

**Reporting To:** Director of Engineering

Reporting to the Director of Engineering, this position is responsible for PCB and system designs for prototype Active-Matrix Organic Light-Emitting Diode (AMOLED) displays.

## Responsibilities

- Gather PCB requirements from team members (FPGA, embedded processor, panel, mechanical and system designers)
- Write functional specifications
- Make components selections
- Simulation and schematic capture
- Supervise layout of PCBs
- Documentation and user manuals
- Bring-up of PCBs
- Support and revision of PCBs

## Qualifications

- 6+ years high-speed digital and analog PCB design
- Experience with PCB design involving FPGAs and embedded processors
- Ability to work in a highly integrated, fast-paced team environment
- Ability to handle multiple tasks and changing requirements
- Experience with differential interfaces such as LVDS, PPDS, RSDS would be an asset
- Experience with LCD displays and/or video would be a significant asset

## Education

- BAsC in Electrical Engineering, Computer Engineering, or equivalent
- MASc degree would be an asset