

## Jupiter Systems

Website: <http://www.jupiter.com>

E-mail: [resumes@jupiter.com](mailto:resumes@jupiter.com)

### Title: Senior Software Engineer, Windows Drivers

#### Job Description

Design and implement core driver software for our industry leading line of display wall controllers.

#### Responsibilities

- Under general supervision and as a contributing member of a cross-functional team, perform applied research, design and development of new software products
- Timely introduction of new software for management of our industry leading line of display wall controllers and multi-screen display stations. Work includes the design and development of the software interface to complex graphics and video processing systems.
- Establish operating capabilities, verify with performance tests, and document designs.
- Provide training to manufacturing, quality, and technical support personnel.

#### Requirements

- BSEE/CS or equivalent with at least 10 years experience with C/C++ and embedded systems development, with at least 5 years of developing Windows drivers
- Experience in developing a wide variety of device drivers for sophisticated hardware
- In-depth understanding and knowledge of Windows kernel and user mode architectures, Windows GDI, DirectShow and IPC mechanisms.
- Strong problem solving and algorithmic skills.
- Good written and verbal communication skills.
- Video capture driver experience desired, HD experience preferred.
- Vista WDDM graphics driver experience
- WinDbg kernel debugging
- Deep understanding of multi-threaded programming
- Understanding of PCIe DMA is desired

#### Skills and Development Background

- Solid understanding of driver development in a multi-threaded environment
- Significant driver development experience for high performance hardware;
- Creation and maintenance of documentation and procedures within an ISO-9001 document control system.

#### Compensation

- Competitive salary.
- Stock options.
- Quarterly profit sharing bonus plan.
- 401(k) plan with employer contribution.
- Medical, dental, disability, and life insurance programs.

#### Restrictions

- Full-time, permanent candidates only.
- Must have authorization to work in the U.S. on a permanent basis.
- Principals only; no 3<sup>rd</sup> parties.