

System Integration Engineer

Job Description

- Integration of optical and mechanical equipment and robotic systems with PC and Linux / nVidia Jetson servers.
- Communicate and work with equipment suppliers to understand and use their APIs for integration.
- Communicate and work with server-side engineers.

Requirements

- BS in Computer Science
- Minimum 3 years working knowledge of the following:
 - Embedded SDKs (Python, C/C++/C#)
 - .NET/.NET Core/.NET Framework
 - Visual Studio IDE, Windows API
 - Windows application, file system, and file IO control development experience
 - Software development in Linux systems
 - Good command of shell scripting and Linux commands
- Familiarity with the following is a plus:
 - WSL (Windows Subsystem Linux)
 - Hardware interfaces such as DI/DO, I2C, RS232, RS485
 - PLC (Programmable Logic Controller) programming
 - NVIDIA Cuda and development on Jetson-based edge servers
 - Optics knowledge (field-of-view, working distance, focal length, etc.)
 - Ethernet protocol
- Able to debug system integration issues with minimal guidance
- Excellent communication skills
- Capable of reading and writing in English. Good email and documentation skills
- Acceptable verbal English
- A team player with mature personality
- Willing to travel