Software Engineer C++/Python

JOB DESCRIPTION
- Design, develop, and test the software controlling the Multibeam electron-beam system
- Write robust, modular C++/Python code
- Understand the methodology for developing large software projects
- 2+ years of experience in C++/Python required

This position is based at our headquarters in Santa Clara, California.

Please also check our website for additional related job openings at: http://www.multibeamcorp.com/careers.htm

FUNCTIONS and RESPONSIBILITIES
- Develop/test modular codes with C/C++ and Python on Linux
- Automate and control the e-beam system with algorithms, 3rd party software packages and the lower level embedded software
- Develop, verify, and improve tests
- Create and improve software documentation
- Prepare pertinent reports and share technical information with team

REQUIRED SKILLS and EXPERIENCE
- C/C++, Python, multi-threading/re-entrant programming, data structures and algorithms, methodology and disciplines for developing large software projects, strong problem solving skills

NICE-TO-HAVE SKILLS and EXPERIENCE
- Python & C++ integration, Database (SQL/NoSQL), Socket/Networking, Python Asyncio

EDUCATION and TRAINING
- B.S., M.S. or Ph.D. in computer science (CS), or related fields

ABOUT MULTIBEAM CORPORATION
Multibeam Corporation is a leading electron-beam technology innovator in wafer fab equipment. The company’s proprietary miniature e-beam column array is currently being used to build lithography systems for the U.S government. In addition to these systems that enable low-volume, high-mix production of microchips, the company aims to apply its e-beam platform to serve other key applications such as embedding chip-specific security information to enhance cybersecurity and enhanced precision etch/deposition. Based in Santa Clara, California, Multibeam is led by Dr. David K. Lam, the founder and first CEO of Lam Research.