Software Engineer
Levels 2-3

At Lam Research, we create equipment that allows chipmakers to build device features more than 1,000 times smaller than a grain of sand. These features have a substantial impact, and virtually every leading-edge chip inside the electronic products you use every day has been made using our equipment.

Creating today’s chips requires the utmost precision on a scale so small, it’s hard to comprehend. And that’s where we shine, thanks to our team of brilliant individuals. We believe how we do things is just as important as what we do—but the most important piece of all is who helps us do it. No matter your area of expertise—from product engineering to manufacturing and supply chain management, to customer support—you’ll play a key role in proving what’s never been done before.

Are you up for the challenge? Let’s get to work.

Job Responsibilities

- Designs, develops, troubleshoots and debugs software programs for enhancements and new products.
- Develops software and tools in support of design, infrastructure and technology platforms, including operating systems, compilers, routers, networks, utilities, databases, cloud-based and Internet related tools.
- Determines hardware compatibility and/or influences hardware design.
- Background in electronics and electrical engineering preferred.
- Knowledge of embedded software development and design.
- Knowledgeable with communication protocols such: I2C, SPI, UART etc.
- Smalltalk experience desired.
- Knowledge of Object Oriented Software implementation and design e.g.: Design Patterns and Finite State Machines
- Strong software engineering skills: modular design, data structures and algorithms.
- Experience with Source Control and Development life cycles.
- Analytical approach to root cause analysis
- Knowledge of multithreading is a must (preemptive thread scheduling)
- Understanding of Networking/TCPIP
- Experience with real-time operating systems desired
- Experience in distributed embedded controls system desired

Minimum Qualifications

- Proficient in two or more of the following programming languages: C, C#, C++, Java, SmallTalk, Python
- Familiar with Network, Serial Device Control, and IO Control Systems
- Preferred experience with industrial automation software
Preferred Qualifications

- Ph.D. with 1+ years of relevant work; or
- M.S. with 3+ years of relevant work experience; or
- B.S. with 5+ years of relevant work experience

More About Us ….

Our work is everywhere you look – even if you can’t actually see it. Lam Research goes deeper than software or chips to the heart of the process that enables chip creation. So if you want to help power the components that empower everything, join us.

All qualified applicants will receive consideration for employment without regard to race, sex, color, religion, sexual orientation, gender identity, national origin, protected veteran status, or on the basis of disability.