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**Software Engineer In Test**

**ASML**– San Jose, CA

**Introduction**

ASML brings together the most creative minds in science and technology to develop lithography machines that are key to producing faster, cheaper, more energy-efficient microchips. We design, develop, integrate, market and service these advanced machines, which enable our customers - the world’s leading chipmakers - to reduce the size and increase the functionality of their microchips, which in turn leads to smaller, more powerful consumer electronics. Our main headquarters are located in Veldhoven, the Netherlands, and we also have 18 office locations around the United States- including main offices in Wilton, CT, Chandler, AZ, San Jose, CA and San Diego, CA.

We are proud of bringing together the brightest minds all over the world to tackle the most challenging problems in making faster and smaller chips. As part of our team, you will have the opportunity to go beyond yourself in developing more advanced techniques and push the technology boundaries.

ASML San Jose, CA is an industry leader in computational lithography for integrated circuits. Our Tachyon platform enables capabilities that address chip design, photomask making and wafer printing for semiconductor manufacturing and the LithoTuner platform enables lithography optimization for ASML’s leading photo lithography tools, known as ‘scanners’.

**Job Description**

We are looking for a highly talented individual to join our software quality assurance team. In this  
position, you will be responsible for designing, creating, and executing software test plan and test  
cases, test methodologies and test automation that are leading the way in assuring high quality of ASML world-class products. You will be challenged with high skill quality testing methodologies in concurrent computing software architecture environment. You will have the opportunity to work with software developers, hardware engineers and the application engineering organization on a regular basis.

**Education**

Advanced degree in Computer Science, Electrical Engineering, Mathematics, Applied  
Mathematics, Physics, Applied Physics, or any related engineering or equivalent experience.

Experience

-Good understanding of operating system, relational database, concurrent computing,  
client/server architecture, network protocols, and file system management.  
-Very strong understanding of software lifecycle and quality engineering methodology.  
-Good numerical analysis and logic thinking skills.  
-Hands-on working experience in Unix and Windows.  
-Proficient in one of programming languages: C/C++, Python, Java, Perl or shell scripting.  
-Excellent problem solving and trouble shooting skills.  
-Ability to excel in cross functional, team environment.  
-Experience in Linux/Unix testing environment.

-2 -3 years in commercial software product development and/or testing.  
-Knowledge on optics or microlithography is preferred.

Context of the position

This position primarily works in an office environment. It requires frequent sitting, standing and walking. Daily use of a computer is required. May stand for extended periods when facilitating meetings.  
The physical demands of the position described herein are essential functions of the job and employees must be able to successfully perform these tasks for extended periods. Reasonable accommodations may be made for those individuals with real or perceived disabilities to perform the essential functions of the job described.

Other information

EEO/AA (W/M/Vets/Disability) Employer.