

## Job Detail

Staff Level

Position Title	Robot mechanism design/structural design/analysis experts and engineers aiming to become experts
Recruiter Company	iHOLON Co.,Ltd
Company Name	Company name is private
Activated / Updated	2024-05-13 / 2024-05-13
Job Type	Manufacturing (Automobile/Plant Engineering/Precision Equipment) - Control - Programmer Electronics (Appliance/Semiconductor) - Control - Software Architect
Industry	Machinery Manufacturer
Location	Asia Japan Kanagawa
Job Description	<ul style="list-style-type: none"> <li>• You will be responsible for mechanical/structural design of arms/walking robots/hands, as well as analysis, assembly, and actual machine evaluation.</li> <li>• We will develop a robot that has a high degree of freedom and is made up of simple, lightweight, highly rigid, and high-strength elements.</li> <li>• Please use commercially available materials or use a 3D printer to make temporary prototypes of parts, and use trial and error to improve mechanism plans and ease of assembly.</li> <li>• In order to achieve dexterous hand movements when using tools and supply body movements, please proceed with the design by referring to the movements of people and animals, based on a method called biomechanics.</li> <li>• We plan to use Solidworks as the CAD tool and Matlab/Simulink as the mechanism analysis tool. For those who have no experience using the tool, we will provide a detailed lecture. Or if you have any recommended tools please let me know.</li> </ul>
Company Info	<p>This is an environment where you can take on the challenge of developing humanoid robots ahead of future trends.</p> <p>Here you will find exciting experiences and opportunities for growth that can only be found at a start-up company.</p> <p>We are looking for friends who will be passionate about it, expand unknown possibilities, and create the future together!</p>
Qualifications	<p>[MUST]</p> <ul style="list-style-type: none"> <li>- Be willing to learn how to use various tools.</li> <li>• Be able to quickly perform material selection, inertia calculation/strength calculation, and structural analysis.</li> <li>• The ability to intuitively predict "deflection" and "prying" that are difficult to analyze, and design elements with a simple structure using a small number of parts.</li> <li>- Must be dexterous with hands. Must be able to continue prototyping and assembling mechanical devices patiently and without getting tired.</li> <li>-Be confident in the appearance of your own design.</li> </ul> <p>[Welcome (WANT)]</p> <ul style="list-style-type: none"> <li>• Preference will be given to those who have experience and knowledge in selecting and designing specifications for actuators such as motors and reducers.</li> <li>• It is desirable to have a strong interest in biomechanics.</li> </ul>
Japanese Level	Business Level(JLPT Level 2 or N2)
Salary	Depends on experience