

Job Detail

Senior Level

Position Title	Senior Electrical Engineer 【Robot Venture】
Recruiter Company	Robot Job Japan / Global Career Agent Inc.
Company Name	Company name is private
Activated / Updated	2024-04-18 / 2024-04-18
Job Type	Manufacturing (Automobile/Plant Engineering/Precision Equipment) - Basic Research and Development Manufacturing (Automobile/Plant Engineering/Precision Equipment) - Architect/CAD Architect/CAD Operator/Plant Architect Electronics (Appliance/Semiconductor) - Basic Research and Development
Industry	Machinery Manufacturer
Location	Asia Japan Tokyo
Job Description	<ul style="list-style-type: none"> -Work in both electrical and electronic fields. -Build new robots and improve existing ones. -Work in both digital, analog and power electronics. -Design tools for rapid tests, validation and troubleshooting. -Perform experiments to validate new concepts. -Think how to Integrate electronics and wire into mechanical assembly. -Think about how to solve problems and how to facilitate maintenance or replacement of parts. -Make not only normal PCB, but also flat cables and rigid-flex. -Make and review schematics, PCB routing, gerber data of various types of PCB. -Make and review Bill of Materials. -Manage order of component, PCB and assembly (PCBA). -Make simple firmware for testing PCB with CPU. -Contribute to the creation of quality reference and maintenance documentation for the electrical systems that you and your colleagues create.
Company Info	<p>Robotics startup co-founded by robotics researchers. Specialized in flexible and compact robots with unique strength in narrow inspection, pipe inspection, disaster rescue etc. Increasing focus on data platform for infra maintenance.</p> <p>Year of foundation: 2004 Workforces: approx. 30</p> <p>For further job listing of Robotics, AI, IoT, New Mobility opportunities, please check http://www.gc-agent.com/robotjobjapan/</p> <p>IoT、人工知能、ロボティクスおよび新世代の移動体に関するその他の求人はこちらをご覧ください。 http://www.gc-agent.com/robotjobjapan/ja/</p>
Qualifications	<p>Must:</p> <ul style="list-style-type: none"> - Experience with PCB CAD (Altium preferred) - Experience in circuit design and PCB routing - Ability to test and troubleshoot electric and electronic circuits - Ability to use instruments (tester, oscilloscope, function generator, spectrum analyze) - Ability to analyze problems and propose possible solutions considering possible maintenance and weaknesses that could cause future problems.(R&D) - Ability to create new ideas, but at the same time able to respect others' ideas as well and choose the best solutions. Ability to cooperate with others - Mentally open to solutions that are sometimes uncommon or not according to normal standards - Ability to convert an explanation of user needs into a schematic or text-based specification or definition of the electrical system requirements - Ability to design a simple but effective test - Must be willing to assist colleagues in other departments and trades -Business level in English OR Japanese. Willingness to communicate in and learn further the less proficient language
Salary	Depends on experience

Job Contract Period	Permanent
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