

ROBOTIC SOFTWARE ENGINEER

DESCRIPTION Houston Mechatronics, Inc. (HMI), Houston's leader in robotic and automation systems, is actively seeking a Robotic Software Engineer who **specializes in software** to help us kick ass in the market. More specifically, we want you to be a part of our amazing team as we design, develop and deploy intelligent, automated systems in three key markets: Oil & Gas, Electric Vehicles and Manufacturing.

We're located in Webster, Texas, just down the street from NASA's Johnson Space Center. Our open floor plan and "work hard, play hard" philosophy encourage an atmosphere of sharing and innovation. The culture here is sure to inspire and entice even the most discriminating of candidates.

To excel in this position, you must be a dedicated, motivated and forward-thinking individual who seeks to advance the world of mechatronics and robotics. You need to be willing to maximize your skills and training across multiple disciplines. Why? It's in our name — "Mechatronics." We're all about integrating mechanical, electrical, computer science and information technology. Our customers need to **know what's possible**, and that is why they seek our expertise.

We offer a competitive salary, a comprehensive benefits package and a great working environment. Our company's focus is to disrupt the status quo and to advance the integration of robotics within our targeted industries.

Successful candidates for this position will possess the following credentials:

- REQUIRED:**
- 5+ years of industry experience
 - Strong C++/Python background and experience in working with the Robot Operating System (ROS) in a Linux environment
 - Experience with finite state machine design and implementation
 - Experience in imaging/computer vision/video processing
 - Experience with motion planning on real robots using perception with live sensor data
 - Experience with version control systems such as git or svn
- DESIRED:**
- Experience with MoveIt!/OMPL/SBPL/ROS-Control or any other motion planning/manipulation software
 - Experience working with industrial robots