Senior Robotics Engineer

Job Responsibilities:

- Scope and write detailed project documents for assigned projects to in-house and/or 3rd party vendor teams.
- Take a hands-on approach to lead/provide engineering support for assigned projects to help ensure that these are delivered on-specs, on-time, and on-budget, for example:
  - Build, configure, test and review robotic systems and prototypes,
  - Design and debug control systems, sensors, and robotic bodies to ensure cost effectiveness, serviceability, sufficient strength, function, ease of assembly and manufacturability,
  - Conduct research into the design, operation, performance of robotic parts and systems,
  - Conduct research on robotic technology to create new robotic systems or system capabilities.
- Participate in brainstorming sessions to find new solutions to, or resolve any and all technical issues relating to existing projects.
- Report to Research & Development Director and provide progress reports of all assigned projects in a timely manner.

Requirements:

- Bachelor’s or Master’s Degree in Mechatronics and Robotics or Engineering or its equivalent from an accredited University/Institute of higher learning.
- Around 6 years’ relevant working experience with 3 years in lead and mentor role.
- Highly proficient in AutoCAD and/or SolidWorks or any equivalent 3D modelling software.
- Strong software development skills in Java, ROS, C/C++ and Matlab.
- Design experience, preferably in Robotic Systems, and experience in navigation, manipulation, robot control or mechatronics will be advantageous.
- Have strong analytical and trouble-shooting skills.
- Willingness to continually review and improve processes to help increase team effectiveness and productivity.
- Team player with strong inter-personal, communication and presentation skills.
- Able to interact and work well with all levels of personnel.
- Able to lead and perform in a high-pressure, fast-paced environment.
- Able and willing to travel overseas for project work or for overseas postings.

Interested applicants, please send in your resume to hr.sg@wongfong.com

For more details about the company, please visit www.wongfong.com