THE COMPANY

August Robotics is an **international company** which builds application-specific robots to automate workflows for businesses. We believe in the potential for **humans and robots to collaborate and co-operate**, and we aspire to be at the forefront of the coming "robotics revolution".

August Robotics recently **released its first robot**, an application-specific robot for the global trade show industry. The company will soon begin work on its next wave of **revolutionary robots** and is growing its team accordingly.

THE ROLE

As a **ROS Engineer**, you will be part of the August Robotics technical team in Shenzhen and your primary responsibility will be to **code the motion controllers** used in the company's robots.

You should be an expert at using Robotic Operating System (ROS) and Python to **control robot motion** in a repeatable, reliable and accurate manner, and you should be willing to **train other members of the team** on how best to utilise ROS and its functionality.

You will work on **every level of the stack (sensors, motors, dynamics)** from start to finish, and you will be heavily involved in systems integration work, integrating components to create reliable, professional and robust robotic systems and products. You will also work on **sensor fusion (LiDAR, IMU, odometer, etc..)** to ensure that our robots are aware of their environment and are able to respond accordingly.

Together with your colleagues, you will **troubleshoot systems integration problems**, using your knowledge of ROS, Python and control principles to diagnose, verify and resolve issues that arise during robot testing.

The company has a comprehensive schedule for **full-system tests of its various robots**. You will play a key role in preparing the robots for each test, and for ensuring that these full-system tests happen on-time and on-specification. You will also document the results of the tests according to defined criteria and testing requirements.

The role will be based in August Robotics' office in **Shenzhen.**

YOUR SKILLS

You **must** show:
- University degree in **Control, Electrical Engineering, Software Engineering, Automation, Robotic Engineering** or a related discipline
- Your University degree should be from a top-tier university in China (MUST be a 985 university, ideally a C9 university) or from an overseas university
- Expert level experience and familiarity with the **Robotic Operating System (ROS)**, with recent experience that includes coding & developing robotics products, drivers and/or controllers in ROS
- Expert level programming skills in **Python** (and its associated libraries)
- Understanding of control engineering principles
- Excellent communication skills and strong teamwork capabilities
- Native level fluency in **Mandarin Chinese** (spoken English is NOT required for this role)

In addition to the above requirements, ALL of which you must demonstrate to be considered for this role, the following skills are helpful but not required:
- Familiarity general **electrical engineering** concepts
- Experience with embedded systems (eg. Arduino)
- **Signal processing** experience and/or capabilities
- C++ programming skills

You should have at least **1-2 years' work experience** as a **robotics engineer**, including work experience in a role in which you used ROS heavily.

You should be **comfortable with ambiguity** and excited by the idea of working in an entrepreneurial culture. You should be **open to new experiences**, open to learning new things, and willing to jump in and lend a hand on a range of different issues and task when the need arises.

HOW TO APPLY

An attractive remuneration package will be available to qualified candidates. To apply, please send your CV and cover letter to tech.recruiting@augustrobotics.com.

August Robotics Ltd.
info@augustrobotics.com
www.augustrobotics.com