THE COMPANY

August Robotics is an international company which builds **application-specific robots** to automate workflows for businesses. The company's R&D function is based in Shenzhen (China), and the company also has commercial and sales offices in Hong Kong, Germany and USA.

August Robotics believes 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 is a **world-leading robotics company** in many ways. Unlike other companies, we genuinely do all the R&D for our robots ourselves, from product conceptualisation right through to manufacturing and commercialisation. And **we build our robots quickly**. Our first robot, Lionel (an application-specific robot for the exhibition industry) was already commercialised and **earning substantial revenue** in Europe and the USA less than 2 years after we wrote the first line of code.

August Robotics has begun work on its next wave of **revolutionary robots** and is growing its team accordingly.

THE ROLE

As a **Robotics Engineer**, you will be a key member of the August Robotics technical team and you will work on **every level of the stack (positioning and navigation, motion control, task management**) from start to finish.

You will be a key member of our systems integration team, responsible for **integrating and prioritising components** to create reliable, professional and robust robotic products that satisfy requirements of the company's clients. You will work on various aspects of robot behaviour designing based on various **sensors (LiDAR, IMU, odometer, etc..)** to ensure that our robots are aware of their environment and are able to respond accordingly.

Your will use your accumulated robotics knowledge and expertise to diagnose, verify and resolve technical issues that arise during the robot development process.

You will also be involved in a **comprehensive and rigorous testing regime** for the company's robots. The testing regime will ensure that the robots are prepared for any eventuality that may arise during commercial operation, and that the robots are **reliable and robust in all client environments** and situations.

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

YOUR SKILLS

You must have:

- 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
- Familiarity with the **Robotic Operating System** (ROS), with recent experience that includes developing and coding robotics products, drivers or controllers in ROS
- Practical experience implementing **obstacle avoidance systems** for autonomous robots, particularly obstacle avoidance in indoor environments
- Deep understanding of the sensors involved in obstacle avoidance systems (**LiDAR, sonar, depth camera**, etc…)
- **Expert level programming skills** in either C/C++ or Python (and its associated libraries)
- 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 with robot **navigation, path planning**, motion planning, indoor localization and SLAM
- Understand the principles and concepts of control engineering**, with practical experience on PID**
- Understanding of electronic engineering concepts, as evidenced by past work experience and projects
- **Signal processing** experience and/or capabilities
- Practical experience on STM32 and microcontroller (including serial communication, debugging interface, etc)

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.

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