

ROBOTICS SOFTWARE ENGINEER

THE COMPANY

August Robotics is a start-up company which builds **bespoke robotic solutions** to augment and **enhance the day-to-day lives** of ordinary people and businesses.

We believe that over the next generation, **specialised robots** will become ubiquitous in people's day-to-day lives, and August Robotics aspires to be at **the forefront of this "robotics revolution"**.

August Robotics recently completed a **US\$3.7m** fund-raising round from a collection of **international venture capital** firms and is now **growing its team** aggressively.

THE ROLE

As a **Robotics Software Engineer**, you will be part of August Robotics technical team in Shenzhen and responsible for ensuring that the company's robots **move and behave in an intelligent manner**.

You will work on the **navigation algorithms** used by our robots to ensure that each robot is able to intelligently sense its environment and plan its route accordingly. You will also work on **intelligent obstacle avoidance** techniques and on optimising the **wireless communication protocols** connecting our robots with their base stations.

Your code will be primarily written in **Python (2.7x and 3.5x)**, and you may occasionally be expected to code in another language, for example C or C++. You will code in an Ubuntu environment. You also must be **open to learning new software languages** and tools, such as the Python-based Robotic Operating System (ROS), if you don't already know it.

You will participate in the **full development life-cycle**, from definition and design to product delivery. You will propose creative software design ideas and work on **every level of the stack** (frontend to backend), from **start-to-finish**.

You will be expected to design, develop, test, deploy, maintain and improve software while working in an **agile environment**. You will take ownership of sprints, manage deadlines and deliverables, and keep up to date on new technologies.

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

YOUR SKILLS

You **must** show:

- Degree from a **top-tier University** in China (must be a 985 university, ideally a C9 university) or from an overseas university in Computer Science, Software Engineering or a related discipline
- **Expert level programming skills in Python** (and its associated libraries)
- Strong programming skills in another commonly used programming language, for example **C or C++**
- Strong Linux skills working in an **Ubuntu** environment
- 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, which you must demonstrate, the following skills are helpful but not required:

- Familiarity with the **Robotic Operating System (ROS)**
- Experience and capability in using and optimising **wireless communication** protocols in a practical context
- Experience playing a role in software development projects implemented using **agile / scrum methodology**

While not 100% necessary, it is ideal that you have **1-2 years work experience** as a **software engineer** or in a similar role in which you used Python heavily. For fresh graduates, you must have developed an advanced project in Python in the past 12-18 months as part of a **university project, internship or personal project**.

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 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.