

# ARTIFICIAL INTELLIGENCE 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 **software engineer** focussed on artificial intelligence in a robotics environment, you will be responsible for ensuring that August Robotics' 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](mailto:tech.recruiting@augustrobotics.com).