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 **Senior Python Engineer**, you will be a senior member of the August Robotics technical team in Shenzhen and you will have primary responsibility for the **image processing** work that is critical to the functionality of our products.

Each of our robots contains **multiple on-board cameras** – you will develop and maintain the code required to process images of the robot's environment, filter the background and ensure fast and accurate image recognition and processing.

Some of our robots rely heavily on image manipulation and **visual pattern recognition** to determine the scope and nature of the robot's mission. You will be responsible for developing and maintaining this code, together with some related **machine learning** implementations.

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 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**.

YOUR SKILLS

You **must** show:
– University degree in **Software Engineering, Computer Science, Machine Learning, Information Systems** 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 programming skills in Python** (and its associated libraries)
– Deep understanding of **image processing techniques** and concepts, including all of image recognition, image analysis, object detection and visualisation
– Strong programming skills in another commonly used programming language, for example **C or C++**
– An ability to **foresee potential issues** and to creatively problem solve to resolve issues in your code
– Strong communication skills and 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:
– Experience coding software applications using OpenCV
– Experience coding machine learning applications using TensorFlow and/or PyTorch

You should have at least **3-5 years' related experience** as a **software engineer** in a role whose primary responsibilities included image processing / visualisation and Python coding.

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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