

# MECHANICAL ENGINEER

## 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 **Mechanical Engineer**, you will be a member of the August Robotics technical team in Shenzhen and you will work on **every level of the stack (sensors, motors, dynamics)** from start to finish.

Your primary responsibilities will be to:

- Conceptualize, define and design** the architectural layout of component prototypes; and
- Create a **detailed internal model** of each robotic component and mechanism in SolidWorks / SolidEdge, modelling the interactions between the components; and
- Work together with your colleagues to **assemble and test prototype robots** and prototype robotic components according to the detailed design documents and process principles of the company

You will search out the optimal materials, components and systems for each robotic prototype and develop robot prototypes by fabricating design iterations and integrating **off-the-shelf components** and technologies.

You will adopt an agile approach to hardware development, **relentlessly testing, iterating and re-testing your designs** enabling extremely rapid prototyping and development of your designs. You will always be on the look-out for new tools and techniques (eg. 3D printing) to **speed up the prototyping and design process**.

You will take ownership of sprints, manage deadlines and deliverables, and come up with **creative design solutions** to problems that arise. The role will be based in August Robotics’ office in **Shenzhen, China**.

## YOUR SKILLS

You **must** show:

- University degree in **Mechanical Engineering, Electrical Engineering, Mechatronics, Automation** 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
- **Strong proficiency in Solidworks / SolidEdge** or an equivalent design tool
- Familiarity with commonly used standard components and their use cases (eg. motors, pneumatics, etc...)
- Ability to work with metallic and non-metallic materials to create moulds and bespoke components
- 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 / experience with using mechanical tools to **apply paint or other liquids to a surface**, eg. automatic paint applicators, spray cans, drawing devices
- Understanding of how to use 3D printing and other tools to assist in the **rapid prototyping** of design concepts
- Familiarity with the general functionality and constraints of basic **sensors, motors and actuators**

You should have at least **2-3 years’ work experience** as a **mechanical engineer**, ideally including practical experience working on products that were not just research projects, but were ultimately commercially released.

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](mailto:tech.recruiting@augustrobotics.com).