Software Engineer / Mobile Application Engineer (Intern)

Job Brief:

R2C2 Limited focus on AI and Robotics applications development. Our current research and development focus on a robotic dog from the United States. We are looking for student interns to join our engineering team to work on this exciting project.

As the first group of student interns and engineers to work on the first ever robotic dog in Hong Kong, we understand there will be a lot of challenges. We will be working on the robot control unit with the Python based software development kits. We will also work closely with engineers in US provided by the robotic dog manufacturer.

The application of this robotic dog includes but not limited to construction site logistic robot, structure inspection robot and public cleansing robot. The application is endless but only limited by your imagination.

Responsibilities

- Study the software development kits of the robotic dog
- Enable basic built-in functions and features of robotic dogs.
- Perform basic testing
- Develop mobile application that enable vision based AI model to run locally on mobile device (i.e: edge computing)
- Package trained model into API call
- Prototype basic mobile application to showcase all functional features.

Requirements

- Solid software programming skills (Python, RJ45 communication, JAVA, Android and iOS programming etc)
- Knowledge of application development (i.e: iOS , Android)
- Knowledge of basic robotic libraries and frameworks(i.e:ROS etc) [Preferable but not a must]
- Knowledge of using OpenCV, Pillow etc
- Basic knowledge / common sense on system and software design