PERCEPTION ARCHITECT – PITTSBURGH, PENNSYLVANIA

WEBCO HR, Inc. is seeking a Perception Architect for one of our clients located in Pittsburgh, Pennsylvania.

SUMMARY

The team works in a dynamic environment that supports flexible work hours and a hybrid schedule, splitting time between working from home and in-person collaboration in the office in Pittsburgh, PA. The candidate is required to live in the general Pittsburgh area. Relocation provided.

Perception is a key part of our client's autonomy efforts. They are a small team with the opportunity to make a big impact. They are an established company with thousands of products in mining and construction all around the world, the customer pull for autonomy is clear. As Perception Architect, you will lead the design for our perception stack, including lidar, radar and computer vision efforts and collaborate cross-functionally with other teams to ensure a high quality and robust autonomy solution is produced.

RESPONSIBILITIES:

- Lead perception development through collaboration with other technical leaders.
- Solve challenging perception problems in such a way that the team can deliver effectively.
- Design, write, review and test perception algorithms.
- Lead the perception team to a high standard in software development.
- Work with the team to manage architecture, software and deliverables from other teams.

REQUIREMENTS

- Master's or PhD in Engineering, Computer Science, Robotics, or related field.
- 10+ years of experience working in robotics with 5+ focused on perception.
- Exceptional C++ programming skills and more than 5 years developing robotics software in a Linux environment.
- Experience applying machine learning algorithms to perception problems and executing on a GPU or FPGA.
- Experience in full software development lifecycle.
- Familiarity with Python.
- Experience with Agile software development.
- Strong mathematics skills.
- Experience mentoring engineering.

COMPENSATION:

- $146,000 - $183,000
- Full Benefits

THE COMPANY:

With 2022 sales and revenues of $59.4 billion, our client is the world's leading manufacturer of construction and mining equipment, off-highway diesel and natural gas engines, industrial gas turbines and diesel-electric locomotives.

For nearly 100 years, they've been helping customers build a better, more sustainable world and are committed and contributing to a reduced-carbon future. Our innovative products and services, backed by our global dealer network, provide exceptional value that helps customers succeed.

They do business on every continent, principally operating through three primary segments – Construction Industries, Resource Industries and Energy & Transportation – and providing financing and related services through our Financial Products segment.

WEBCO HR, Inc. is an Equal Opportunity Employer

APPLY