

10xConstruction - Internship Opportunities

⚡ About 10xConstruction:

At 10xConstruction, we're developing AI-powered robots to automate critical physical tasks at construction sites. Our first product—a Wall Finishing Robot set to launch in April—dramatically reduces project timelines by up to 90% and lowers operational costs by 50%. Through cutting-edge robotics, computer vision, and AI, we aim to revolutionize the construction industry, driving greater efficiency, safety, and quality. Join us in shaping the future of construction tech!

Computer Vision (CV) Intern



Hard Skills:

-  CNN, ViT's, Segformers, YOLO, Classical CV, VLM (Optional)

Soft Skills:

-  Great communication and presentation skills

What You'll Do:

-  Assist in the design and implementation of computer vision algorithms for tasks such as object detection, localization, and anomaly detection in construction environments.
-  Implement and refine image processing techniques, including distortion correction, color correction, and 2D to 3D vision.

Link: <https://wellfound.com/l/2ALy4n>

Robotics Intern



Hard Skills:

-  ROS2, Navigation, Sensor Fusion, Moveit2, Perception (Optional)

Soft Skills:

-  Great communication and presentation skills


What You'll Do:

-  Assist in the design and implementation of motion planning and trajectory systems for robotic construction equipment.
-  Contribute to the development of control systems for autonomous construction robots.

Link: <https://wellfound.com/l/2AKSxd>

Android Intern


Hard Skills:

-  Kotlin (MVVM), Git, Python (optional), REST APIs (optional), Reactjs (optional)

Soft Skills:

-  **Great communication and presentation skills**

What You'll Do:

-  Develop and maintain native Android applications for robot control and monitoring.

Link: <https://wellfound.com/l/2AYHrC>

Full Stack Intern



Hard Skills:

-  Python, Django, AWS, Databases, Linux, Reactjs, Kotlin (optional)

Soft Skills:

-  Great communication and presentation skills


What You'll Do:

-  Implement scalable web applications using React.js & Python for robot operator interfaces and administrative dashboards.
-  Build robust backend services and APIs using Python to handle robot telemetry, control systems, and data processing.

Link: <https://wellfound.com/l/2AYyPy>

Mechanical Design Intern



Hard Skills:

-  CAD GD&T, 3D Printing, Rapid Prototyping and Assembly, Power Tool Use, Kinematics and Dynamics

Soft Skills:

-  Great communication and presentation skills


What You'll Do:

-  Assist in the design and modeling of mechanical components and assemblies using CAD software.
-  Assist with prototyping activities, including 3D printing, laser cutting, and working with aluminum extrusions.

Link: <https://wellfound.com/l/2AKSpH>

Embedded Controls Intern





Hard Skills:

-  Firmware Development in C/C++, Basic Python, Control System theory, PCB Design & Rapid Prototyping, Basic ROS2 experience

Soft Skills:

-  Great communication and presentation skills

What You'll Do:

-  Support the integration of various robotic components, including sensors and actuators.
-  Contribute to the development of PCBs and firmware for custom hardware solutions.
-  Participate in prototyping and testing of new control system designs, leveraging off-the-shelf modules and rapid prototyping techniques.
-  Gain experience with ROS2 and assist in the development of ROS2 drivers.

Link: <https://wellfound.com/l/2AKSxp>