

Automation Technician Internship (Lititz, PA)

Position Summary:

Working closely with our engineers, Automation Technicians are an important part of the development, assembly, testing and deployment of our custom electro-mechanical automation systems. The role will be dynamic and include involvement in the entire build cycle of the equipment and include responsibilities and tasks in many areas including mechanical, electrical, software, machine safety and process areas.

The ideal candidate will have a passion for delighting customers and working with automation systems. Our systems include a mix of mechanical (robotics, actuators), electrical (vision systems, servo systems, sensors) and software components (user interfaces, structured text and ladder logic). The ideal candidate will be a self-starter, enjoy working both in teams and alone and able to communicate well with others. A passion for learning the latest in automation solutions is required to ensure we are leveraging the best technology to solve our customer challenges.

Position Details:

- Location: 148 W. Airport Road, Lititz, PA 1754
- Internship Period: Summer 2024, 7-8 weeks
- Working Hours: 40 hours/week. Flexible start time between 6am and 9am
- Rate: \$25.00/hr

Company Mission:

For our employees, we believe in empowering our team members to explore and grow with new capabilities and invest in continuously learning, while also holding each other accountable to complete our individual roles on the team to deliver quality systems on schedule for our customers.

For our customers, we believe in creating accessible automation that allows customers of all experience levels to succeed with automation. Our role is ensuring the solutions are designed so the customer can take ownership of systems and facilitating training for the customer when needed to make that possible.

For our community, we believe in giving back by investing in the next generation by being involved in educational programs in our area high school and college communities. By opening the eyes of our future workforce to automation and manufacturing careers, we will create a strong workforce and stable economy.

Core Responsibilities:

- The Automation Technician will be responsible for providing design input, assembling, and testing the automation cells centered around robotics and inspection (machine vision) applications. Additionally, they will be involved with supporting the system start-up in the field.
- To ensure the success of the projects, the Automation Technician will also be involved with a mix of pre-sales and post-sales activities including occasional roles in the discovery, concept, proof of concept, quoting, project kick-off and factory acceptance phases of automation projects.
- Collaborate with company leadership, sales engineers, automation technicians and other staff to support development of solutions for customers including the design concepts, budgetary quotes, formal proposals, project schedules and equipment acceptance criteria.
- Self-starter willing to execute plans with minimal guidance and willing to expand your horizons with new experiences and learn quickly from failures to grow.
- Validate automated equipment is functioning to designed criteria.
- Troubleshoot unexpected problems efficiently to keep projects moving forward on schedule.

Qualifications

- Able to work in SolidWorks and make minor updates and changes to systems that have been designed by the Automation Engineering team but need some minor improvements
- Able to assemble electro-mechanical systems with a mix of vision, robotics, bowl feeders, sensors, etc.
- Able to read and make minor updates to existing ladder logic and structured text programs
- Able to read and wire electrical schematics
- Technical knowledge of factory automation technologies including robotics, vision, motion, I/O, pneumatics, 3D printing and machine safety standards highly desired.
- Experience with Universal Robots, Apera AI, Keyence 3D vision systems, Cognex 2D vision systems, Trio Motion controls, PIAB vacuum and Phoenix Contact products is a plus.
- Experience working with hand and power tools in a machine shop environment is a plus.
- Results orientation - high levels of personal initiative, energy, and ownership for success.
- Accountability - taking responsibility for mistakes; delivers on commitments and is honest and forthright.
- Adaptability - handles change through taking advantage of lifelong learning opportunities and is open minded and curious to face new challenges.
- Service ethic - embraces service as a primary obligation for both internal and external customers,
- Must have a valid driver's license and be able to operate an automobile for up to six hours at a time, be able to travel via airplane, able to travel overnight 25% and lift a minimum of 50lbs.
- Take personal responsibility for keeping yourself, co-workers, and visitors free from injury by participating in and/or conducting risk assessments, workplace inspections, corrective actions and safety observations

Education and/or Experience

- A relevant associate degree in Automation, Industrial, Mechanical, Electrical, Software, or other related engineering field desired.
- Two years of related experience desired.