Willow Storm

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Analytical	**Adaptable**	**Detail-Oriented**	**Technical**	**Efficient**	**Resourceful**
Innovative	**Proactive**	**Reliable**	**Leadership-Oriented**	**Dependable**	**Process-Driven**
Communicative	**Precise**	**Problem-Solver**	**Self-Motivated**	**Versatile**	**Collaborative**

WORK EXPERIENCE

First Solar **Apr. 2024 – Present**

Material Handling Manufacturing Engineering Technician

Perrysburg, OH

- Developed a VBA-powered Excel tool to process and analyze raw data from 35 Fanuc robots, highlighting abnormalities with conditional formatting for predictive maintenance.
- Played a key role in plant startup by coordinating and completing Factory Acceptance Tests (FAT), Electrical Safety Sign-Offs (ESSO), and Lock Out Tag Out (LOTO) documentation.
- Optimized robot programs for Fanuc systems to enhance efficiency and reduce errors.
- Trained cross-departmental teams, including Material Engineering Technicians (METs), on the operation and programming of Fanuc robots and conveyor systems.
- Calibrated and integrated Cognex vision sensors, DataMan barcode readers, and safety systems to ensure alignment with production requirements.
- Troubleshot and recovered material handling systems remotely and on-site, including Fanuc robots, conveyor systems, and automated forklifts.
- Utilized SQL and JMP software to analyze performance data and implement system improvements.
- Compiled and reviewed 80+ technical manuals to streamline maintenance and programming processes for robotics and automated systems.

Mazda Toyota Manufacturing **Mar. 2022 – Mar. 2024**

Skilled Maintenance Team Member

Huntsville, AL

- Experience creating the 6-document process of reliability-centered maintenance breakdown, including FDD, FMEA, EMS, PM Procedures with Check Sheets, and Safety Job Plans.
- Programmed and maintained industrial robot arms, including brands such as Kawasaki, Nachi, and Motoman, for precise manufacturing processes.
- Troubleshot PLC issues and implemented software-driven countermeasures to enhance system reliability.
- Configured 12 Vision for sealant bead application, ensuring alignment with quality standards.
- Developed 42 One Point Lessons robot operation, including a detailed reference for 98 Kawasaki R Codes.
- Conducted preventative maintenance and programmed system optimizations to minimize downtime.
- Created detailed reports and visual aids to address recurring robotic issues and recommend data-driven solutions.

CERTIFICATIONS

Robotics Technology Park Technical College **Mar. 2022**

AC/DC Machines	Yaskawa BX100 Basic Programming	Fluid Systems
AC/DC Electricity	Industrial Mechanical and Precision Measurement	Motor Controls
Principles of Pumps and Piping	Omron PLC Basic Programming	

EDUCATION

Covenant Christian Academy **May. 2020**

Highschool Diploma *Huntsville, AL*

- Honors Pre-Calculus, Honors Calculus, Honors Anatomy and Physiology.
  GPA: 3.5

Student Council, Hack Huntsville, Chess Club.