

# **Automate Detroit Scavenger Hunt (Student Challenge)**

## **Tech & Tools**

- Take a selfie with a collaborative robot (cobot) - Bonus if it's moving!
- Find a brochure or sticker from a CNC machine builder (e.g., Haas, Mazak, DMG Mori).
- Spot a 5-axis machine or robotic arm in motion.
- Scan a QR code to download a free CAM or CAD software demo.
- Find a toolholder with an automatic tool changer (ATC).
- Get a sample part made on-site (metal, 3D printed, etc.).
- Photograph a machine with visible G-code or touchscreen control.

## **People & Industry**

- Introduce yourself to a booth rep and ask: "What's one piece of advice you'd give someone just entering manufacturing?"
- Collect a business card from someone who works in automation.
- Talk to a recruiter or HR person and ask about entry-level opportunities.
- Get a picture with someone wearing safety glasses (not you).

## **Fun Challenges**

- Find a robot doing something funny or unexpected (like playing a game or drawing).
- Locate a booth giving away the coolest freebie (describe or show it).
- Spot a machine or display with lasers (safely!).
- Take a picture with the biggest machine you can find.
- Find a robot that's painting, welding, or assembling something.

## **Creative Bonus Points**

- Ask a vendor to explain something you don't understand, then summarize it in one sentence.
- Find a piece of automation tech used in the automotive industry.
- Spot a company from outside the U.S. and find out what country they're based in.
- Draw or describe your favorite machine/tool you saw today.