

Jesse Sapirstein

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REVISION

2025.02.17

EXPERIENCE

Instrumentation Technologist - Magellan Aerospace

2021.04 - 2023.01 | Winnipeg, MB

- Maintained production equipment for aerospace lines (F-35 JSF, GE F414, RADARSAT), performing preventive and corrective maintenance.
- Troubleshoot and repaired electrical and electronic control systems including field devices, relays, and contactors.
- Worked on Allen-Bradley PLCs, SCADA, and human-machine interfaces for automated production equipment.
- Configured process control loops and analyzed system performance to ensure compliance with specifications.
- Liaised with maintenance teams, operators, and machine representatives to coordinate upgrades and repairs.
- Assisted in the development of troubleshooting routines and testing procedures for industrial equipment.
- Performed calibration and adjustments to maintain production equipment to specification.

Simulator Technician II / Maintenance Technologist - CAE

2023.01 - Present | Winnipeg, MB

- On-site maintenance for Lockheed CP-140 Aurora Trainer at 402 Squadron, CFB Winnipeg.
- Performed preventive and corrective maintenance per DND Maintenance Contract.
- Debugged complex technologies: avionics systems, software, networking, simulation technologies.
- Chair, Workplace Health & Safety Committee - ensuring a safe and compliant workplace environment.

EDUCATION

Advanced Diploma, Electromechanical Engineering Technology

Humber College of Applied Technology | Toronto, ON | 2019

Bachelor of Arts (w/Honours), Economics and Political Studies

University of Manitoba | Winnipeg, MB | 2012

SKILLS & ASSETS

- Broad-spectrum troubleshooting: 24V/120V/480/600V control systems, CNCs, PLCs, SCADA, aerospace production equipment.
- Experience with instrument calibration, electrical, pneumatic, hydraulic control systems.
- Proficient in Microsoft Word, Excel, Linux, Jira, AutoCAD.
- Government of Canada Controlled Goods Program, Secret security clearance.
- Strong organizational, communication, and team collaboration skills.

PROJECTS

Automated Check Fixture Device

Humber College Capstone | Nahanni Steel Products Inc. | 2019-2022

- Designed high-throughput automated fixture for screening 800+ steel brackets/hour.
- [[View Portfolio](https://jsprstn.github.io/auto-check-fixture/)](https://jsprstn.github.io/auto-check-fixture/)