

BRYCE LAW

Systems and Test Engineer, Defence & Aerospace
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WORK EXPERIENCE

Junior Systems Engineer, CP140 Aurora Incremental Modernization Project

General Dynamics Mission Systems - Canada, Ottawa, Ontario

September 2016 - Present

- Performed comprehensive software and systems regression testing on new software for CP140 Aurora aircraft to ensure legacy features remained functional.
- Raised problem reports and consulted with software teams to address software related defects.
- Wrote and scheduled scripts in DOORS to perform statistical analysis on test completion and aid in test scheduling.
- Created web-based test reporting and lab configuration tracking tools in Angular for software teams to better provide indication of lab changes, and issues with software.
- Met regularly with clients to demonstrate software features and ensure specifications and requirements were met.
- Developed test suite in Robot Framework for high level sanity and unit automated testing

Process Automation Engineer, Manufacturing

MEGlobal Canada Inc., Prentiss, Alberta

January 2013 - August 2016

- Designed Honeywell Experion and Schneider Triconex control programming scope for plant improvement projects.
- Managed process automation projects to ensure projects were completed within strict timelines and on budget.
- Represented automation engineering expertise in project scope and reviewed automation design in the MOC process to ensure industry design and safety standards were met.
- Improved DMC advanced controller uptime by 20% in 2014 through implementing an effective controller monitoring program and improving operator training.
- Led Triconex upgrade project and comprehensive hardware verification procedure to successfully address obsolescence concerns with plant SIS platform.
- Initiated and completed DMC controller cleanup project to reduce variable bloat and streamline controller functions to minimize licensing costs by 30% and improve reliability.

Summer Intern

Voltaire Power Company, Mississauga, Ontario

June - Sept 2011

- Designed line-diagrams for 5 kW to 500 kW solar power systems in Visio for Canadian and international clients
- Ensured designs met Ontario Electrical Code and regulations.
- Prepared and submitted several Micro-Fit program applications for approval by OPA and local hydro companies.

SKILLS & COMPETENCIES

- Requirement and Project Based Engineering work processes and detailed scope reviews
- Software testing and verification
- Technical writing of test procedures, training manuals, operating disciplines, and detailed problem reports
- Project management, team building, resource procurement, logistics planning and scheduling
- Proficiency in C++, JavaScript, Python, Assembly programming languages
- Proficiency in DOORS, HTML, CSS, Angular, Excel, AutoCAD, Visio, Microsoft Office
- Proficiency in Robot for automated testing

EDUCATION

Queen's University, Kingston, Ontario

- Bachelor of Science, Electrical Engineering

Class of 2012