Amanda Drury

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EDUCATION

B.E.Sc., Mechatronic Systems Engineering (with Internship) **2014–2019**
Western University, London, ON

- Dean's Honour List (GPA: 3.46)
- Charles Yip Memorial 125th Anniversary Alumni Award (2016)
- National Scholarship Award for Western University (2014–2016)
- Professional Institute Legacy Foundation Scholarship (2014)

SKILLS

Software: *(proficient)* UiPath RPA Software, RSLogix 5000, MATLAB, Simulink, MS Excel
(familiar) VBA, SQL, Python, SolidWorks, C++, Arduino
Technologies: RPA, GitHub, PLC, HMI, Confluence

PROFESSIONAL EXPERIENCE

New Grad Leadership Development Program (3 Rotations) **July 2020–Present**
Rogers Communications, Toronto, ON

Robotics Technical Analyst – New Grad (Digital Business Unit, Rotation 1) July 2020–Dec 2020

- Developed reusable UiPath RPA code that generates status reports of automations for the business to use. Currently used by 2 automations and is run daily with a 100% success rate.
- Created a documentation hub on Confluence for the RPA CoE, containing documentation for GitHub standards, for reusable code, and for the software development life cycle.
- Ran weekly meetings (for 4 months) with the RPA team to create a standardized process for using GitHub, in order to enable developers to effectively share code and collaborate on projects. This included facilitating GitHub workshops, and documenting team standard decisions.
- Completed end-to-end design, testing and implementation of a UiPath RPA automation.

Controls Technician (Internship) **May 2017–Aug 2018**
CenterLine (Windsor) Limited, Windsor, ON

- Developed, debugged, and auto integrated Allen Bradley PLC and HMI logic for ABB and Fanuc spot welding and mig welding lines, resulting in the successful integration of machines.
- Lead and managed a team of 22 controls and robotics technicians for a 19-processor and 218-robot machine, ensuring all members performed their tasks according to the 6-month timeline.
- Prepared documentation to manage logic updates throughout debugging process, maintaining organization and up-to-date logic on all machines.
- Analyzed electrical drawings and debugged electrical panels and devices, ensuring all devices communicated with the processors and functioned properly.
- Trained new controls technicians by teaching PLC and HMI basics and procedures that must be followed for machine integration, resulting in an increase in trained employees.
- Optimized machine process to achieve quoted cycle time, by determining and improving bottleneck processes in the robot paths and in the fixture sequences.

PROJECTS

Automated Pressure Washer, Final-Year Design Project **Sep 2018–Apr 2019**
Western University, London, ON

- Designed and integrated the control system for an industrial automated pressure washer
- Selected, wired and debugged the electronic components, resulting in a functional prototype
- Programmed the process and safety PLC logic, resulting in machine safety and optimization
- Developed the HMI screens, providing machine diagnostics, cell status, and manual controls
- Documented the design process in technical reports (received Honourable Mention Award)