# Work Experience

## Curtiss-Wright / Software Developer Intern

##  SEPTEMBER 2019 – DECEMBER 2019,  KANATA ON

* Spearheaded Static Analysis Testing integration into the Curtiss-Wright Linux BSP development lifecycle. This translated into
* Designed a REST API, using Python, to broker requests between Jenkins Pipelines, Bitbucket, and Linux Virtual Machines. This API solved a significant design challenge involving the incompatibility of existing software.
* Authored a software design document (SDD) for Curtiss-Wright upper management outlining the design requirements, implementation plan, and importance of the project
* Created command-line scripts (Shell and Bash) to simplify the day to day use of Static Analysis Software used by Curtiss-Wrights. This enabled developers to use the tool with little to no ramp-up time.
* Performed manual testing on Curtiss-Wright ruggedized boards, running Wind River VxWorks, thoroughly and on time to ensure a Curtiss-Wright BSP product met its release date.

## Wind River Systems / Web Development Intern

 JANUARY 2019 – APRIL 2019,  KANATA ON

* Designed and implemented a full-stack web application, following agile development practices, which pulled data from several sources and displayed it on a dynamic dashboard. This allowed management at Wind River to quickly view, filter, and save project statistics.
* Quickly ramped up with an Eclipse-based DITA tool to resolve a key customer-facing issue within a large documentation set for a major product release.

## Wind River Systems / Software Intern

###  JANUARY 2018 – AUGUST 2018,  KANATA ON

* Completed and presented a competitive analysis of cloud services (IBM Cloud, AWS Cloud, and Microsoft Azure) for Wind River IoT products. The competitive analysis presented product management with industry best practices for IoT cloud onboarding.
* Prototyped a device weather simulator using VxWorks as a proof of concept for a Wind River IoT product’s new user onboarding process
* Created a Python application for Information Development management to transfer and parse data to a Microsoft Excel spreadsheet
* Designed and built a web interface using Flask and jQuery for the Jira Scraper tool used by product management to track content development times
* Improved the frontend of Wind River’s Product Availability Matrix website using Angular (a JavaScript front-end framework). This improvement allowed Wind River staff to retrieve operations information for course delivery more reliably.

# Most Proud of

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|  | **Memorial University of Newfoundland Endowment Fund Scholarship**  90% High School graduation average |
|  | **Publication in the 24th Annual Newfoundland Electrical and Computer Engineering Conference (NECEC)**  Wiseman, E**.**, Vardy, A. (2015), “Detecting Collisions on the Sphero Robot” |
|  | **City of Mount Pearl Science Technology Engineering and Math Award (2015)** |

# Education

### Bachelor of Computer Engineering (Co-Op Program), Memorial University of Newfoundland

EXPECTED GRAD. 2022

# Skills

Web Development: JavaScript • TypeScript • CSS • HTML • React • Angular • Vue.js • Django • PostgreSQL

Languages: Python • Java • C/C++ • Shell Script • Bash Scripting • JavaScript • TypeScript

Tools: Jenkins • Git • Jira • Bitbucket

Soft skills: Agile Development •