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**SUMMARY**

I am an individual motivated by the new technologies and possibilities created from Machine learning and data. I have previously served for 13 years in the Royal Canadian Navy as an Marine Engineering Officer where I earned a B.Eng in Electrical Engineering in 2012, and also found my passion for automation and data. Throughout my time at Lighthouse lab I found an affinity with databases, computer vision and web scraping.

**SKILLS AND QUALIFICATIONS**

* Programming skills: ExcelVBA, Python, pandas, SQL, MongDB, PyToch, Scrapy, Docker, Kubernetes, web scraping
* Languages: French (Native), English (Fluent), Simplified Chinese (HSK 2 /3 Level)
* Military related: Damage Control Officer, Marine System Engineering Head of Department, firefighting attack team leader, Officer of the Day, Secret clearance

**PROJECTS**

**Final Lighthouse Labs project 2020**

[YOLOv5 to scrape flyers for information identification](https://github.com/Vanderscycle/lighthouse-data-notes/tree/master/FinalProject/GroceryItemIndexer/FlyerScraper)

* Created a data pipeline where flyers are scraped from the web whre I then process its content using a CNN to extract each merchandise information

[Online store spider paper](https://github.com/Vanderscycle/lighthouse-data-notes/blob/master/paper/paper/HowToGetDataDraft.md)

* Wrote a lengthy tutorial on Scrapy to teach my classmates how to extract data from the web

**PROFESSIONAL EXPERIENCE**

**Deputy Program Manager 2018 - 2020**

Fleet Maintenance Facility Cape Breton Operation Department, CFB Esquimalt

* Advised operational organizations regarding repair needs of working and docked vessel
* Oversaw projects involving up to 100 people such as BC Shakeout drills, facility tours, inspections, and change of command parades
* Collected and analysed data from the defense database through excel VBA for weekly reporting on work period progress
* Acted as the Program Manager during absences of the incumbent including but not limited to: aligning operational and repair priorities, facilitating project completion between shore organizations under unexpected time constraints, and granting overtime in consideration of budget restriction versus assignment progression

**Assistant Head of Department 2017 - 2018**

Her Majesty’s Canadian Ship Ottawa, Operation Projection 2017

* Achieved Head of Department qualification with responsibilities to advise the Commanding Officer in face of marine engineering issues including equipment failure, workplace conflict, and engineering trials
* Directed warship repair and maintenance activities between sea and shore offices
* Participated in Operation Projection 2017, serving Canada abroad and gaining first hand knowledge of engineering impact on operational needs
* Performed responsibilities of the Engineering Officer during absences of the incumbent including but not limited to: coordinating project trials, administration, and subordinate training

**Marine System Engineer Phase VI Trainee and Project Officer 2012 – 2017**

Her Majesty’s Canadian Ship Calgary, RIMPAC 2014

* Coordinated between sea and shore offices on personnel safety, equipment docking and unloading, and ship movement
* Deepened my knowledge of marine system functioning and maintenance
* Achieved Assistant Head of Department (Lieutenant) qualification with responsibilities to aid the Engineering Officer including but not limited to: personnel training, sea trials, and maintenance
* Trained with the Royal Navy in Gosport, UK as part of my engineering training
* Worked at the repair facility as a Marine System Project Officer for 18 months and oversaw minor projects

**EDUCATION**

**Data Science Bootcamp Diploma**

Lighthouse labs Victoria, BC **2020**

**B.Eng Electrical Engineering 2008 – 2012**

Royal Military College of Canada, Kingston, ON