

Kovasky Buezo

BACHELOR OF ENGINEERING, COMPUTER

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Projects

Killick-1 CubeSat

St. John's, NL, Canada

MISSION CONTROL SUBSYSTEM, TEAM LEAD

Summer 2021 - Spring 2022

- A GNSS Reflectometry CubeSat for measuring sea ice, part of the 15 teams selected for the Canadian Space Agency's CubeSat Project
- Wrote 2000+ lines of C code for the on-board computer's flight software under the MISRA guidelines
- Designed and developed 30+ software and hardware tests to ensure flight readiness
- Collaborated with 5 teams to draft design and test documentation for review by the Canadian Space Agency

Kafa - Thermostat Enhancer

St. John's, NL, Canada

1ST PLACE OVERALL, MAKEUOFT 2021

Winter 2021

- MakeUoFT is Canada's largest makeathon; 60 teams, 150+ participants in 2021
- Led the electrical and software design
- Created a plug and play thermostat enhancer, one that does not need installation nor guidance from an expert, that is expected to generate 23% of savings on annual energy costs
- Built using JavaScript, Python, Flask, MySQL, and Docker in under 800 lines of code

The Revengeance

St. John's, NL, Canada

BEST SUBMISSION, 4TH YEAR GAME PROGRAMMING COURSE

Fall 2020

- Built a game from the engine up in 3000+ lines of code, using modern C++ and SFML2.1
- Implemented using an Entity-Component-System architecture allowing for great design flexibility
- Features include pathfinding algorithms, ray tracing, and the use of shaders

Skills

Languages

C++, C#, Python, JavaScript, Java, C, Assembly, Bash, VBA, Liquid

Frameworks

.NET Core, Flask, Jinja, JQuery, SFML, SDL, Qt, SWIG, Bootstrap

Other

Ansible, Jenkins, Docker, Grafana, Portainer, Hyper-V, Vsphere, Windows, Linux

Experience

Frequentis Canada

Gatineau, QC

SOFTWARE ENGINEERING

November 2022 - Present

- Developing and designing time-critical applications for the air traffic management industry using .Net Framework
- Automating the testing, building and deployment of software packages using Ansible, Bash, and Jenkins
- Managing and maintaining network and hardware infrastructure

InnovMarine Inc.

Lévis, QC, Canada

JUNIOR PROGRAMMER ANALYST CO-OP STUDENT (RETURNING)

Fall 2021

- Developed and maintained software solutions for the shipbuilding industry using .NET Core and Python
- Assisted in the design and implementation of the base architecture for current and future .NET-based projects
- Improved internal operation processes by developing a code documentation standard operating procedure

InnovMarine Inc.

Lévis, QC, Canada

JUNIOR PROGRAMMER ANALYST CO-OP STUDENT

Winter 2021

- Developed and maintained software solutions for the shipbuilding industry using C#, SQL, and VBA
- Automated data analysis and workflow operations of 20+ people using VBA
- Improved the execution speed of current solutions by up to 18x faster (6662 down to 357 seconds)

Memorial University of Newfoundland

St. John's, NL, Canada

ENTREPRENEURIAL CO-OP STUDENT

Summer 2020

- Worked towards the implementation of an importing business whose key mission is to bridge the gap between ethically sourced premium Honduran products and Canadians
- Developed a supply chain strategy that encompasses direct trade with producers and the transportation of goods from origin to end consumer resulting in 20% cost savings
- Defined a brand strategy that outlines the core values of the company's brand identity

Lester's Dairy Farm

St. John's, NL, Canada

PROJECT ENGINEER CO-OP STUDENT

Fall 2018

- Carried out a pre-feasibility study for an anaerobic digestion facility and estimated a generation capacity of 360kW
- Performed mass balance calculations for a herd of 260 (mixed) milking cows
- Assisted in the planning and decision-making process in the design phase of the facility

Education

Memorial University of Newfoundland

St. John's, NL, Canada

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Spring 2022